

ENV-003c — Initialise Participating Nodes

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

Statement

Before each [Test Execution](#), the [DIDO-TE](#) SHALL initialise each participating [Node](#) to the state specified by 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

Initialising each participating [Node](#) establishes its required operational state before [Test Execution](#).

Node initialisation applies the required software, state, parameters, dependencies, interfaces, identity, communication settings, and supporting resources identified by the controlled descriptive information.

Establishing a known initial state prevents an uninitialised, partially initialised, incorrectly initialised, or residual Node state from influencing Node behaviour or the resulting [Test Results](#).

Applies To

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

Verification

Verification confirms that:

- The controlled descriptive information identifies each Node participating in the Test Execution.
- The controlled descriptive information specifies the required initial state of each participating Node.
- The DIDO-TE initialises each participating Node before Test Execution.
- Each participating Node reaches its specified initial state.
- Each participating Node uses the required software, parameters, dependencies, interfaces, identity, communication settings, and supporting resources.
- The initialised state excludes residual Node state prohibited by the controlled descriptive information.
- The DIDO-TE records the identity, initialisation status, and resulting state of each participating Node.
- The DIDO-TE maintains [Traceability](#) among each participating Node, its specified initial state, its resulting state, and the applicable Test Execution.
- An absent, uninitialised, partially initialised, incorrectly initialised, residual, or untraceable Node state constitutes nonconformance with this requirement.

Verification includes:

- Inspection of the controlled descriptive information identifying each participating Node
- Inspection of the specified initial state for each participating Node
- Observation of Node initialisation
- Comparison of each resulting Node state with its specified initial state
- Inspection of the applied software, parameters, dependencies, interfaces, identity, communication settings, and supporting resources
- Inspection for prohibited residual Node state
- Inspection of Node identity, initialisation status, and resulting-state records
- Inspection of Traceability records connecting each Node to its specified state, resulting state, and Test Execution
- A negative assessment using an absent, uninitialised, partially initialised, incorrectly initialised, residual, or untraceable Node
- 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 Node lifecycle, Node initialisation, Node state, Configuration, residual-state control, 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-003c-initialise-participating-nodes#Statement&noheader&nofooter&noeditbtn}}
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