

ENV-001j — Define Deployment Constraints

[Go to ENV-001 — Define Test Environment](#)

Statement

The [DIDO-TE](#) SHALL define each deployment [Constraint](#) applicable to a [Test Environment](#) or record that no deployment Constraint applies and provide the basis for the determination.

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

Defining the applicable deployment [Constraints](#) establishes the conditions governing the placement, provisioning, installation, instantiation, and operation of a [Test Environment](#) on its [Deployment Target](#).

The defined Constraints support deployment planning, validation of the deployed Test Environment, reproduction of its deployment state, and assessment of whether a deployment difference influenced a [Test Execution](#) or [Test Result](#).

An explicit determination that no deployment Constraint applies distinguishes an intentional condition from missing information.

Applies To

- [Test Environment](#)
- [Constraint](#)
- [Deployment Target](#)
- [Node](#)
- [Test Object](#)
- [Test Resource](#)

Verification

Verification confirms that:

- Each Test Environment defines every applicable deployment Constraint.
- Each defined deployment Constraint identifies the element, operation, condition, or Deployment Target it governs.
- The deployed Test Environment satisfies each applicable deployment Constraint.
- A Test Environment without an applicable deployment Constraint records the determination and its basis.
- A missing, undefined, or unsatisfied applicable deployment Constraint constitutes nonconformance with this requirement.

Verification includes:

- Inspection of the controlled information for each Test Environment
- Inspection of the defined deployment Constraints
- Inspection of the deployed Test Environment and its Deployment Target
- Comparison of the observed deployment state with the defined deployment Constraints
- Inspection of recorded determinations that no deployment Constraint applies
- Inspection of the basis recorded for each such determination
- A negative assessment using a Test Environment that violates an applicable deployment Constraint
- 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 Environment deployment, Deployment Targets, and deployment Constraints.

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-001-define-test-environment:env-001j-define-  
deployment-constraints#Statement&noheader&nofooter&noeditbtn}}
```

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