

MO-009d — Test Resource Use Traceability

[Go to MO-009 — Reusable Test Resources](#)

Statement

DIDO-TE SHALL maintain [Traceability](#) between each use of a designated reusable [Test Resource](#), the specific Test Resource version used, and the applicable [Test Execution](#).

Derived From

MO-009d derives from [MO-009 — Reusable Test Resources](#).

MO-009d specifies the Test Resource use Traceability portion of MO-009.

Rationale

The identity of a reusable Test Resource alone does not establish which version supported a Test Execution or how that resource contributed to the execution.

Traceability between a Test Resource use, the specific resource version, and the applicable Test Execution identifies the resources associated with the resulting [Test Results](#), [Verdicts](#), and [Evidence](#).

This relationship supports repeatability, [Reproducibility](#), comparison among Test Executions, impact analysis following a Test Resource change, and investigation of unexpected results.

MO-009d governs Traceability for actual Test Resource use. The companion requirements separately address Test Resource descriptions, control, and applicability.

Applies To

MO-009d applies to:

- [DIDO-TE](#)
- Designated reusable [Test Resources](#)
- Controlled Test Resource versions
- Test Resource uses
- [Test Executions](#)
- Test Resource use records
- Relationships between Test Resource uses and applicable Test Results, Verdicts, and Evidence

Verification

Verification confirms that:

1. DIDO-TE records each use of a designated reusable Test Resource
2. Each Test Resource use record identifies the Test Resource
3. Each Test Resource use record identifies the specific Test Resource version used
4. Each Test Resource use record identifies the applicable Test Execution
5. Each Test Resource use record identifies the role or purpose of the Test Resource within the Test Execution
6. Each Test Resource use record identifies when the Test Resource was used
7. Each Test Resource use record identifies the applicable Test Resource applicability determination
8. DIDO-TE preserves Traceability from a Test Execution to every designated reusable Test Resource used during that execution
9. DIDO-TE preserves Traceability from a designated reusable Test Resource version to each Test Execution that used that version
10. DIDO-TE preserves the Test Resource use records associated with completed Test Executions
11. A change to a Test Resource does not alter the recorded identity or version of the resource used during a completed Test Execution
12. DIDO-TE supports identification of the Test Results, Verdicts, and Evidence associated with a recorded Test Resource use

Referenced By

The following pages reference this requirement:

Plugin Backlinks: Nothing was found.

Delivery Phase

☐ Assign the delivery phase for MO-009d.

Implementation Status

☐ Record the implementation status of MO-009d after reviewing the implementation plan.

Requirement Status

☐ The proposed derived requirement requires review and acceptance.

Issues

- ☐ Confirm whether each Test Resource use record must identify the actor or automated mechanism that selected or supplied the Test Resource.
 - ☐ Confirm whether Traceability must extend directly to each Test Result, Verdict, and Evidence item or whether the relationship through the applicable Test Execution is sufficient.
 - ☐ Confirm the retention requirements for Test Resource use records.
 - ☐ Confirm that MO-009d remains limited to Test Resource use Traceability and does not duplicate the description, control, or applicability obligations assigned to MO-009a, MO-009b, and MO-009c.
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Notes for Editors

Use the following code to reference the Statement section from another wiki page:

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{{section>dido:03-dido-te:99-annexes:annex-c-requirements:01-mission-objectives:mo-009:mo-009d#Statement&noheader&nofooter&noeditbtn}}
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