

MO-007c — Air-Gapped Environment Operation

[Go to MO-007 — Connected, Disconnected, and Air-Gapped Operation](#)

Statement

DIDO-TE SHALL perform testing operations in an [Air-Gapped Environment](#) that maintains physical isolation from external networks.

Derived From

MO-007c derives from [MO-007 — Connected, Disconnected, and Air-Gapped Operation](#).

MO-007c specifies the Air-Gapped Environment portion of MO-007.

Rationale

An Air-Gapped Environment maintains physical isolation from external networks during testing operations.

Air-Gapped Environment operation requires DIDO-TE to conduct tests without an active [External Network Connection](#) or access to an [External Service](#). The resources required for test execution must therefore exist within the Air-Gapped Environment before test execution begins.

Authorized transfer processes introduce required testing artifacts, dependencies, configurations, test data, policies, and other resources into the Air-Gapped Environment. Authorized transfer processes also remove [Test Results](#), logs, and [Evidence](#) after test execution.

Applicable transfer controls preserve the integrity, provenance, and [Traceability](#) of transferred content without compromising the physical isolation of the environment.

An Air-Gapped Environment differs from a [Disconnected Environment](#). A Disconnected Environment lacks active external network connectivity during the applicable operation. An Air-Gapped Environment maintains physical isolation from external networks.

Applies To

MO-007c applies to:

- [DIDO-TE](#)
- [Air-Gapped Environments](#)

- [Test Definitions](#)
- [Candidate Solutions](#)
- [Test execution](#)
- [External Network Connections](#)
- [External Services](#)
- [Transfer Bundles](#)
- [Test Results](#)
- [Evidence](#)
- [Traceability](#)
- [Air-Gapped Environment Operating Procedures](#)

Verification

Verification confirms that:

1. DIDO-TE performs testing operations in an Air-Gapped Environment
2. The Air-Gapped Environment maintains physical isolation from external networks during test execution
3. No active External Network Connection exists during test execution
4. Test execution does not depend upon an External Service
5. The resources required by the Test Definition exist within the Air-Gapped Environment before test execution begins
6. Authorized transfer processes introduce required testing artifacts and dependencies into the Air-Gapped Environment
7. Authorized transfer processes remove Test Results, logs, and Evidence from the Air-Gapped Environment
8. Transfer controls preserve the integrity, provenance, and Traceability of transferred content
9. Transfer operations do not compromise the physical isolation of the Air-Gapped Environment
10. The Evidence identifies the Air-Gapped Environment and records the isolation conditions applicable during test execution

Referenced By

The following pages reference this requirement:

Plugin Backlinks: Nothing was found.

Delivery Phase

☐ Assign the delivery phase for MO-007c.

Implementation Status

☐ Record the implementation status of MO-007c after reviewing the implementation plan.

Requirement Status

- ☐ The proposed derived requirement requires review and acceptance.
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Issues

- ☐ Confirm the testing operations included within the scope of Air-Gapped Environment operation.
 - ☐ Define how DIDO-TE verifies and records the physical isolation of the Air-Gapped Environment.
 - ☐ Identify the authorized processes for transferring resources into and Test Results, logs, and Evidence out of an Air-Gapped Environment.
 - ☐ Determine whether Transfer Bundle preparation, validation, introduction, and removal require separate derived requirements beneath MO-007c.
 - ☐ Identify the controls that prevent transfer operations from compromising the physical isolation of the Air-Gapped Environment.
 - ☐ Determine how DIDO-TE identifies and records dependencies upon External Services before air-gapped test execution.
 - ☐ Confirm that MO-007c, together with MO-007a and MO-007b, preserves the complete approved intent of MO-007.
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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-007:mo-007c#Statement&noheader&nofooter&noeditbtn}}
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