

NOD-009f — Record Node Resource Control

[Go to NOD-009 — Control Node Resources](#)

Statement

The [DIDO-TE](#) SHALL record each Node resource-control action identified for retention by the governing [Test Definition](#).

Derived From

- [NOD-009 — Control Node Resources](#)
- [NOD-009a — Establish Node Resource Controls](#)
- [NOD-009b — Allocate Node Resources](#)
- [NOD-009c — Control Node Resource Use](#)
- [NOD-009d — Handle a Node Resource-Control Exception](#)
- [NOD-009e — Release Node Resources](#)
- [\[DTE5\] 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

Recording Node resource control preserves the resource assignments, controls, allocations, restrictions, modifications, exceptions, releases, and resulting conditions identified by the governing Test Definition.

A resource-control record identifies the Node, resource, governing condition, responsible authority, control action, time, sequence, source state, intended effect, actual effect, resulting state, and affected Test Executions.

Resource-control records support reconstruction of the conditions under which a Node operated. They also demonstrate whether the Node received the required resources, remained within specified limits, and released resources when required.

A summary or Test Result does not replace the underlying resource-control records required for retention. Those records support independent evaluation of resource-related findings, Test Execution Exceptions, and Evidence.

Incomplete, altered, inconsistently timed, misattributed, or untraceable records prevent the DIDO-TE from demonstrating how resource controls affected Node behavior and Test Execution conditions.

Applies To

- [DIDO-TE](#)
- [Node](#)
- [Node Configuration](#)
- [Node Binding](#)
- [Dependency](#)
- [Test Definition](#)
- [Test Procedure](#)
- [Test Environment](#)
- [Test Execution](#)
- [Test Execution Exception](#)
- [Test Resource](#)
- [Test Result](#)
- [Authorizing Authority](#)
- [Evidence](#)
- [Traceability](#)

Verification

Verification confirms that:

1. The governing Test Definition identifies each Node resource-control action requiring retention.
2. The governing Test Definition identifies the context and retention conditions governing each retained record.
3. The DIDO-TE records each Node resource-control action identified for retention.
4. Each resource-control record has a unique identity.
5. Each resource-control record identifies the governed Node and resource.
6. Each resource-control record identifies the governing Test Definition and Test Procedure.
7. Each resource-control record identifies the governing condition and responsible authority.
8. Each resource-control record identifies the control action, parameters, time, and sequence.
9. Each resource-control record identifies the source state, intended effect, actual effect, and resulting state.
10. Each resource-control record identifies the Test Environment and affected Test Executions.
11. Each resource-control record identifies the resource allocation, use, restriction, modification, exception, or release associated with the action.
12. The DIDO-TE records each retained resource-control exception and its disposition.
13. The DIDO-TE distinguishes an intended resource-control effect from the observed effect.
14. The DIDO-TE associates each control record with the resource-use observations used to verify its actual effect.
15. The DIDO-TE uses a controlled and consistent time reference for resource-control records.
16. The DIDO-TE detects a missing, incomplete, duplicated, altered, out-of-sequence, ambiguously timed, misattributed, or unauthorized resource-control record.
17. A material correction to a resource-control record produces a distinguishable revision and preserves the prior record.
18. The DIDO-TE protects resource-control records from unauthorized alteration, disclosure, or deletion.
19. The DIDO-TE preserves each resource-control record for the retention period specified by the

governing Test Definition.

20. The DIDO-TE supports reconstruction of Node resource control from establishment through allocation, use, exception handling, and release.
21. The DIDO-TE maintains Traceability among the Node identity, resource identity, governing Test Definition, governing Test Procedure, resource controls, allocations, observed use, control actions, exceptions, releases, Test Executions, Test Results, and resulting Evidence.
22. A missing, incomplete, inaccurate, altered, unauthorized, ambiguous, misattributed, prematurely removed, or untraceable Node resource-control record constitutes nonconformance with this requirement.

Referenced By

The following pages reference this requirement:

Plugin Backlinks: Nothing was found.

Delivery Phase

- ☐ Assign the delivery phase.

Implementation Status

- ☐ Assign the implementation status.

Requirement Status

- ☐ The proposed derived requirement requires review and acceptance.

Issues

- ☐ Assign the source requirement identifier and obligation from the DIDO-TE Requirements Register.

Notes for Editors

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{{section>dido:03-dido-te:99-annexes:annex-c-requirements:03-node-requirements:nod-009-control-node-resources:nod-009f-record-node-resource-control#Statement&noheader&nofooter&noeditbtn}}
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