

P4-REQ-21-7-007

[Return to Requirements](#)

Statement

Cross-plane implementation relationships SHALL preserve the distinct architectural purpose of each Runtime Plane involved.

Source

Part 4, Section 21.7: Runtime Plane Realization Requirements.

Rationale

Phase 0 implementation interactions may involve more than one Runtime Plane, but shared implementation mechanisms must not erase the architectural distinctions among those concerns.

Preserving each Runtime Plane's purpose allows cross-plane interactions to remain understandable, traceable, governable, and reviewable.

Applies To

This requirement applies to:

- cross-plane DDS exchanges;
- shared implementation participants;
- cross-plane logging and exception handling;
- audit and provenance relationships;
- policy and release relationships; and
- cross-plane implementation mappings.

Verification

Verification SHALL confirm that cross-plane implementation relationships preserve the distinct purpose of every Runtime Plane involved.

Verification activities should include review checks confirming that:

- each Runtime Plane role remains identifiable;
- shared implementation mechanisms do not merge architectural meaning;

- mappings identify all applicable Runtime Planes;
- governance and traceability remain plane-aware; and
- cross-plane behavior is documented where applicable.

Traceability

This requirement preserves separation of concerns across Phase 0 Runtime Plane implementation relationships.

Related requirement identifiers:

- [P4-REQ-21-7-001](#)
- [P4-REQ-21-7-002](#)
- [P4-REQ-21-7-003](#)
- [P4-REQ-21-7-004](#)
- [P4-REQ-21-7-005](#)
- [P4-REQ-21-7-006](#)
- [P4-REQ-21-7-008](#)

Related source section:

- [21.7 Runtime Plane Realization Requirements](#)

Status

Draft

© 2026 Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

From:

<https://wiki.didosolutions.com/> - **Dido Solutions, Inc Wiki**

Permanent link:

https://wiki.didosolutions.com/dido/99_annexes/annex-d-requirements/part-04/p4-req-21-7-007

Last update: **2026/08/06 16:16**

