

P4-REQ-21-9-012

[Return to Requirements](#)

Statement

Each QoS profile mapping SHALL preserve traceability to the applicable FX logical Communication Endpoint and Runtime Plane.

Source

Part 4, Section 21.9: QoS Profile Requirements.

Rationale

QoS profiles implement communication behavior for logical exchanges and must remain connected to both the Communication Endpoint and Runtime Plane purpose that justify their selection.

Preserving these relationships allows reviewers to determine why a profile exists and whether its communication behavior remains consistent with the FX Demo Logical Profile.

Applies To

This requirement applies to:

- QoS profile mappings;
- FX logical Communication Endpoints;
- Runtime Plane mappings;
- DDS Topic mappings; and
- configuration artifacts.

Verification

Verification SHALL confirm that each QoS profile mapping preserves traceability to the applicable FX logical Communication Endpoint and Runtime Plane.

Verification activities should include review checks confirming that:

- the applicable Communication Endpoint is identifiable;
- the applicable Runtime Plane is identifiable;
- QoS behavior is consistent with both relationships; and

- mapping changes preserve or explicitly update traceability.

Traceability

This requirement establishes backward traceability from Phase 0 QoS profiles to their applicable Part 3 Communication Endpoint and Runtime Plane sources.

Related requirement identifiers:

- [P4-REQ-21-9-002](#)
- [P4-REQ-21-9-003](#)
- [P4-REQ-21-9-011](#)
- [P4-REQ-21-9-013](#)

Related source section:

- [21.9 QoS Profile 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-21-9-012

Last update: **2026/08/07 14:01**

