

P4-REQ-21-9-002

[Return to Requirements](#)

Statement

Each QoS profile mapping SHALL identify the Runtime Plane or Runtime Planes it supports.

Source

Part 4, Section 21.9: QoS Profile Requirements.

Rationale

Runtime Plane identification connects each QoS profile to the architectural purpose of the communication it supports.

This relationship helps preserve separation of concerns and allows profile behavior to be reviewed against the applicable Control, Data, Health and Observability, Policy and Release, or Audit and Provenance purpose.

Applies To

This requirement applies to:

- QoS profile mappings;
- Runtime Plane mappings;
- DDS Topics; and
- applicable publishers and subscribers.

Verification

Verification SHALL confirm that each QoS profile mapping identifies the Runtime Plane or Runtime Planes it supports.

Verification activities should include review checks confirming that:

- applicable Runtime Planes are explicitly identified;
- profile behavior is appropriate for the identified plane purpose;
- multi-plane support is documented where applicable; and
- Runtime Plane distinctions remain reviewable.

Traceability

This requirement connects Phase 0 QoS profiles to the Runtime Plane classifications defined by the FX Demo Logical Profile.

Related requirement identifiers:

- [P4-REQ-21-9-001](#)
- [P4-REQ-21-9-003](#)
- [P4-REQ-21-9-012](#)

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-21-9-002

Last update: **2026/08/07 13:59**

