

P4-REQ-21-9-006

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Statement

Each QoS profile mapping SHALL identify the expected durability behavior.

Source

Part 4, Section 21.9: QoS Profile Requirements.

Rationale

Durability behavior determines whether and how previously published information remains available to later-joining participants.

Making this expectation explicit supports consistent Phase 0 review of late-joining behavior, replay-oriented review, status availability, and other communication needs.

Applies To

This requirement applies to:

- QoS profile mappings;
- DDS publishers;
- DDS subscribers; and
- applicable Topic exchanges.

Verification

Verification SHALL confirm that each QoS profile mapping identifies its expected durability behavior.

Verification activities should include review checks confirming that:

- the selected durability expectation is stated;
- the behavior supports the applicable communication purpose;
- publisher and subscriber settings are compatible; and
- the selected behavior is documented in the Phase 0 baseline.

Traceability

This requirement establishes the durability expectation associated with each Phase 0 QoS profile mapping.

Related requirement identifiers:

- [P4-REQ-21-9-004](#)
- [P4-REQ-21-9-007](#)
- [P4-REQ-21-9-010](#)

Related source section:

- [21.9 QoS Profile Requirements](#)

Status

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