

P4-REQ-21-14-006

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Statement

Topic implementation traceability SHALL relate FX logical Communication Endpoints to DDS Topics.

Source

Part 4, Section 21.14: Implementation Traceability Requirements.

Rationale

DDS Topics provide the selected Phase 0 implementation realization of FX logical Communication Endpoints.

Explicit Topic traceability allows reviewers to determine which logical endpoint a DDS Topic realizes while preserving the distinction between the logical communication definition and its DDS implementation mechanism.

Applies To

This requirement applies to:

- FX logical Communication Endpoints;
- DDS Topics;
- Topic mappings; and
- associated implementation participants and configuration.

Verification

Verification SHALL confirm that Topic implementation traceability relates FX logical Communication Endpoints to DDS Topics.

Verification activities should include review checks confirming that:

- each governed DDS Topic mapping identifies its logical endpoint;
- each implemented endpoint has an identifiable DDS Topic mapping;
- mappings are reviewable in both directions; and
- DDS Topics do not redefine their logical endpoints.

Traceability

This requirement establishes implementation traceability between FX logical Communication Endpoints and their Phase 0 DDS Topic realizations.

Related requirement identifiers:

- [P4-REQ-21-5-001](#)
- [P4-REQ-21-5-002](#)
- [P4-REQ-21-5-010](#)
- [P4-REQ-21-14-003](#)

Related source section:

- [21.14 Implementation Traceability Requirements](#)

Status

Draft

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Last update: **2026/08/07 14:40**

