

P4-REQ-21-5-001

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Statement

The Phase 0 Implementation Profile / PSM SHALL map selected FX logical Communication Endpoints to DDS Topics.

Source

Part 4, Section 21.5: Communication Endpoint Mapping Requirements.

Rationale

Mapping FX logical Communication Endpoints to DDS Topics establishes the Phase 0 communication realization of the logical exchanges defined by the FX Demo Logical Profile.

Explicit mappings preserve the distinction between logical communication meaning and the selected DDS implementation mechanism.

Applies To

This requirement applies to:

- selected FX logical Communication Endpoints;
- DDS Topics;
- Phase 0 communication mappings; and
- implementation traceability records.

Verification

Verification SHALL confirm that selected FX logical Communication Endpoints are mapped to Phase 0 DDS Topics.

Verification activities should include review checks confirming that:

- each selected endpoint has an identified DDS Topic mapping;
- DDS Topic mappings identify their logical source;
- mappings are documented and reviewable; and
- unmapped DDS Topics do not introduce ungoverned logical exchanges.

Traceability

This requirement establishes forward traceability from Part 3 FX logical Communication Endpoints to their Phase 0 DDS Topic realizations.

Related requirement identifiers:

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

Related source section:

- [21.5 Communication Endpoint Mapping Requirements](#)

Status

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