

P4-REQ-21-15-004

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Statement

The Part 5 handoff SHALL identify IDL and generated type mappings.

Source

Part 4, Section 21.15: Part 5 Handoff Requirements.

Rationale

Part 5 requires the implementation data representations defined by Part 4 in order to exercise and observe the selected Phase 0 communication flows.

Including IDL and generated type mappings preserves the relationship between logical information structures and their runtime representations.

Applies To

This requirement applies to:

- governed IDL structures;
- generated types;
- source IDL files;
- DDS Topic data mappings; and
- producing and consuming implementation participants.

Verification

Verification SHALL confirm that the Part 5 handoff identifies the applicable IDL and generated type mappings.

Verification activities should include review checks confirming that:

- applicable IDL structures are identified;
- generated types are identified;
- source definitions remain traceable; and
- Topic and participant relationships are identifiable.

Traceability

This requirement carries the Part 4 information-structure implementation mappings into Part 5.

Related requirement identifiers:

- [P4-REQ-21-6-001](#)
- [P4-REQ-21-14-007](#)
- [P4-REQ-21-15-003](#)

Related source section:

- [21.15 Part 5 Handoff Requirements](#)

Status

Draft

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Last update: **2026/08/07 14:43**

