

P4-REQ-21-14-007

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Statement

IDL and generated type traceability SHALL relate FX logical information structures to IDL structures and generated types.

Source

Part 4, Section 21.14: Implementation Traceability Requirements.

Rationale

IDL structures and generated types provide Phase 0 implementation representations of FX logical information structures.

Explicit traceability preserves the chain from logical information meaning through its governed IDL definition to the generated implementation-language representation used by Phase 0 participants.

Applies To

This requirement applies to:

- FX logical information structures;
- IDL structures;
- generated types;
- source IDL files; and
- generation relationships.

Verification

Verification SHALL confirm that IDL and generated type traceability relates FX logical information structures to their Phase 0 representations.

Verification activities should include review checks confirming that:

- IDL structures identify their FX logical information sources;
- generated types identify their source IDL structures;
- the complete logical-to-IDL-to-generated-type chain is reviewable; and

- generated types remain traceable after regeneration.

Traceability

This requirement establishes implementation traceability for Phase 0 information-structure realizations.

Related requirement identifiers:

- [P4-REQ-21-6-001](#)
- [P4-REQ-21-6-002](#)
- [P4-REQ-21-6-003](#)
- [P4-REQ-21-6-010](#)

Related source section:

- [21.14 Implementation Traceability Requirements](#)

Status

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