

# P4-REQ-21-6-010

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## Statement

Each IDL and generated type mapping SHALL preserve traceability to the Part 3 FX logical information structure.

## Source

Part 4, Section 21.6: Information Structure Mapping Requirements.

## Rationale

IDL structures and generated types are implementation representations of logical information definitions and must remain connected to those authoritative Part 3 sources.

Preserving traceability allows reviewers to determine why each implementation representation exists and whether it remains consistent with the intended logical meaning.

## Applies To

This requirement applies to:

- IDL structures;
- generated types;
- FX logical information structures;
- mapping metadata; and
- implementation traceability records.

## Verification

Verification SHALL confirm that each IDL and generated type mapping preserves traceability to its applicable Part 3 FX logical information structure.

Verification activities should include review checks confirming that:

- the applicable logical information structure is identifiable;
- mapping records connect IDL and generated types to that source;
- changes preserve or explicitly update the traceability relationship; and

- reviewers can navigate from implementation representation to Part 3 definition.

## Traceability

This requirement establishes backward traceability from Phase 0 information representations to their authoritative Part 3 FX logical information structures.

Related requirement identifiers:

- [P4-REQ-21-6-001](#)
- [P4-REQ-21-6-002](#)
- [P4-REQ-21-6-009](#)
- [P4-REQ-21-6-011](#)
- [P4-REQ-21-6-012](#)

Related source section:

- [21.6 Information Structure Mapping Requirements](#)

## Status

Draft

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