

P4-REQ-21-6-011

[Return to Requirements](#)

Statement

IDL structures SHALL NOT redefine FX logical information structures.

Source

Part 4, Section 21.6: Information Structure Mapping Requirements.

Rationale

IDL structures are selected Phase 0 implementation representations of logical information structures. They define implementation-level data representation, not architectural meaning.

Preventing IDL structures from redefining logical information preserves the authority of the Part 3 FX Demo Logical Profile and allows implementation representations to evolve independently under governance.

Applies To

This requirement applies to:

- IDL structures;
- source IDL files;
- generated types;
- DDS Topic mappings; and
- FX logical information structures.

Verification

Verification SHALL confirm that IDL structures do not redefine FX logical information structures.

Verification activities should include review checks confirming that:

- logical information meaning remains governed by Part 3;
- IDL structures are treated as implementation representations;
- implementation-specific fields or constraints do not silently alter logical meaning; and
- changes affecting logical meaning are governed at the applicable logical layer.

Traceability

This requirement preserves the separation between Part 3 FX logical information structures and their Phase 0 IDL representations.

Related requirement identifiers:

- [P4-REQ-21-6-002](#)
- [P4-REQ-21-6-010](#)
- [P4-REQ-21-6-012](#)

Related source section:

- [21.6 Information Structure Mapping Requirements](#)

Status

Draft

© 2026 Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

From:
<https://wiki.didosolutions.com/> - **Dido Solutions, Inc Wiki**

Permanent link:
https://wiki.didosolutions.com/dido/99_annexes/annex-d-requirements/part-04/p4-req-21-6-011

Last update: **2026/08/06 16:12**

