

P4-REQ-21-7-003

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Statement

The Phase 0 Implementation Profile / PSM SHALL define Data Plane realization for FX transaction, validation, semantic, contract state, and cash-flow information exchange.

Source

Part 4, Section 21.7: Runtime Plane Realization Requirements.

Rationale

The Data Plane carries the structured FX information needed to demonstrate the Phase 0 processing path.

Defining a Data Plane realization ensures that transaction, validation, semantic, contract state, and cash-flow information exchanges have an explicit implementation mapping while preserving their logical meaning.

Applies To

This requirement applies to:

- Data Plane DDS Topics;
- transaction information;
- validation information;
- semantic information;
- contract state information;
- cash-flow information; and
- applicable publishers and subscribers.

Verification

Verification SHALL confirm that the Phase 0 Implementation Profile / PSM defines a Data Plane realization for the specified FX information exchanges.

Verification activities should include review checks confirming that:

- applicable Data Plane Topics are identified;
- applicable information structures are mapped;
- producing and consuming participants are identified;
- Data Plane exchanges support the Phase 0 processing path; and
- Data Plane concerns remain distinct from other Runtime Plane concerns.

Traceability

This requirement establishes the Phase 0 realization of the FX Logical Data Plane.

Related requirement identifiers:

- [P4-REQ-21-7-001](#)
- [P4-REQ-21-7-007](#)
- [P4-REQ-21-7-008](#)

Related source section:

- [21.7 Runtime Plane Realization Requirements](#)

Status

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