

P3-REQ-17-9-002

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Statement

The FX Demo Logical Profile SHALL define the following FX logical interaction patterns:

- Register FX Logical Node
- Report FX Node Status
- Intake FX Transaction Candidate
- Validate FX Transaction Candidate
- Interpret FX Transaction Semantics
- Establish or Update FX Contract State
- Compute FX Cash-Flow Obligations
- Request FX Policy Decision
- Release FX Information to Oversight Participant
- Record FX Audit and Provenance
- Replay or Reconstruct FX Information

Source

Part 3, Section 17.9: FX Logical Interaction Requirements.

Rationale

The identified logical interaction patterns represent the fundamental architectural interactions required to support the logical processing of Foreign Exchange activities. Together they describe the logical coordination of registration, operational management, transaction processing, semantic interpretation, contract management, cash-flow computation, governance, information release, audit, provenance, and lifecycle reconstruction.

Defining these interaction patterns establishes a consistent architectural baseline while allowing individual Implementation Profiles to realize them using different communication technologies and deployment architectures.

Applies To

This requirement applies to the FX Logical Interaction Model defined by the FX Demo Logical Profile.

It applies specifically to:

- logical interaction definitions;
- interaction architecture;
- architectural governance;
- interoperability planning; and
- derived Implementation Profiles.

Verification

Verification SHALL confirm that all required FX logical interaction patterns are defined.

Verification activities should include review checks confirming that:

- each required interaction pattern is defined;
- interaction responsibilities are distinguishable;
- interaction definitions remain platform independent; and
- implementation-specific communication technologies are not prescribed.

Traceability

This requirement defines the complete set of logical interaction patterns established by the FX Demo Logical Profile.

Related requirement identifiers:

- [P3-REQ-17-9-001](#)
- [P3-REQ-17-9-003](#)
- [P3-REQ-17-9-004](#)
- [P3-REQ-17-9-005](#)
- [P3-REQ-17-9-006](#)

Related source section:

- [17.9 FX Logical Interaction Requirements](#)

Status

Draft

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