

12.5 Intake FX Transaction Candidate

Go To Phase 0 Interaction Pattern Realization

The Intake FX Transaction Candidate pattern realizes the introduction of candidate FX transaction information into the Phase 0 implementation network.

The implementation participant performing the Transaction Intake Role receives or creates an FX Transaction Candidate, applies intake conventions, assigns or preserves identifiers, records source context, and publishes the generated type representation to the DDS Topic that realizes the FX Transaction Intake Endpoint.

Table 12-3: Intake FX Transaction Candidate implementation realization.

Realization Concern	Phase 0 Implementation Treatment
FX logical interaction pattern	Intake FX Transaction Candidate
Primary implementation participant	Transaction intake implementation participant
Primary Runtime Plane	FX Logical Data Plane
Supporting Runtime Plane	FX Logical Audit and Provenance Plane
Primary DDS Topic	Data.FX.TransactionCandidate
Primary IDL / generated type	FxTransactionCandidate generated type
Expected processing outcome	Implementation publishes candidate FX transaction information for validation.
Logging and exception handling	Intake success, malformed input, missing required intake context, publication failure, and retry conditions follow the logging and exception-handling baseline.
Audit and provenance expectation	Intake records preserve source context, timestamp, producing participant, and candidate identifier, where required by Phase 0.
Traceability expectation	Interaction traces to FX Transaction Intake Node, Transaction Intake Role, FX Transaction Intake Endpoint, FX Transaction Candidate, and implementation participant.

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