

12.7 Interpret FX Transaction Semantics

Go To Phase 0 Interaction Pattern Realization

The Interpret FX Transaction Semantics pattern realizes Phase 0 semantic interpretation of validated FX transaction information.

The implementation participant performing the Semantic Interpretation Role consumes the applicable validation and transaction information, applies the selected Phase 0 semantic interpretation approach, produces an FX Semantic Assertion, and publishes that assertion to the semantic assertion DDS Topic.

Table 12-5: Interpret FX Transaction Semantics implementation realization.

Realization Concern	Phase 0 Implementation Treatment
FX logical interaction pattern	Interpret FX Transaction Semantics
Primary implementation participant	Semantic interpretation implementation participant
Primary Runtime Plane	FX Logical Data Plane
Supporting Runtime Planes	FX Logical Audit and Provenance Plane; FX Logical Policy and Release Plane, where semantic classification affects release
Input DDS Topics	Data.FX.ValidationResult and transaction-related Topics as required by Phase 0
Output DDS Topic	Data.FX.SemanticAssertion
Primary IDL / generated types	FxValidationResult; FxTransactionCandidate or FxTransactionRecord, where implemented; FxSemanticAssertion
Expected processing outcome	Implementation publishes a semantic assertion with source, version, interpretation context, input reference, producing participant, and timestamp.
Logging and exception handling	Missing semantic reference, interpretation failure, unsupported classification, publication failure, and retry conditions follow the logging and exception-handling baseline.
Audit and provenance expectation	Semantic interpretation records preserve semantic source, semantic version, input reference, interpretation context, producing participant, and timestamp.
Traceability expectation	Interaction traces to FX Semantic Interpretation Node, Semantic Interpretation Role, FX Semantic Interpretation Endpoint, FX Semantic Assertion, and implementation participant.

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

Permanent link:
<https://wiki.didosolutions.com/fxdemo/04-part/12-phase-0-interaction-pattern-realization/12-7-interpret-fx-transaction-semantics/start>

Last update: **2026/07/25 10:00**

