

Interpretation-Controlled Transition

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Discussion

Interpretation-controlled transitions depend on the semantic interpretation of validated FX transaction information.

The [FX Semantic Interpretation Node](#) produces an [FX Semantic Assertion](#). That assertion supports movement from validated transaction information to semantically interpreted transaction information. It provides semantic context for contract state management, cash-flow computation, policy evaluation, audit, provenance, replay, and [Evidence](#) review.

An interpretation-controlled transition identifies the validated input, [FX Semantic Assertion](#), semantic source, semantic version, the producing [FX Semantic Interpretation Node](#), timestamp, the resulting lifecycle state, and the provenance reference.

Interpretation-controlled transitions preserve the distinction between structural validity and semantic meaning. A transaction passes validation when it satisfies structure and constraint expectations. It becomes semantically interpreted when the [FX Semantic Interpretation Node](#) records governed meaning for the transaction.

Definition

FX lifecycle transition governed by an FX Semantic Assertion.

Source

Specialization of [FX Semantic Assertion](#) from Section 9.5, [Semantic Interpretation Role](#) from Section 7.4, [Semantics](#) from Part 1, Section 9.4, [Interpretation](#) from Part 1, Section 9.5, and [Traceability](#) from Part 1, Section 7.10; generalised from semantic interpretation material in the original FX Demo Reference Architecture.

Note

Interpretation-controlled transitions do not prescribe FIBO, SBVR, OWL, RDF, a semantic repository, a rules engine, a database lookup, or a model execution mechanism.

Example

A validated FX Transaction Record moves to **Semantically Interpreted** when the [FX Semantic Interpretation Node](#) produces an [FX Semantic Assertion](#) identifying the transaction's governed FX meaning.

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