

12.7 Establish or Update FX Contract State

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The Establish or Update FX Contract State pattern determines and publishes the [FX Contract State](#) from validated and semantically interpreted FX transaction information.

The [FX Contract State Node](#) consumes [FX Validation Results](#), [FX Semantic Assertions](#), and applicable transaction information. It applies contract state rules, determines the applicable [FX Contract State](#), records the transition context, and publishes the [FX Contract State](#).

The interaction belongs primarily to the [Logical Data Plane](#). It also supports the [Logical Audit and Provenance Plane](#) because contract state transitions require lineage, rule context, producing [Node](#), timestamp, and [Evidence](#) expectations.

Table 12-6: Establish or Update FX Contract State interaction pattern.

Element	FX logical treatment
Primary Runtime Plane	Logical Data Plane
Producing FX Node Role	Contract State Management Role
Consuming FX Node Role	Cash-Flow Computation Role , Policy Evaluation Role , Audit Recording Role , Provenance Recording Role
Primary endpoint	FX Contract State Endpoint
Primary information	FX Contract State
Supporting information	Validation result reference, semantic assertion reference, prior state, target state, transition rule, producing Node , timestamp
Traceability expectation	FX Contract State traces to validation result, semantic assertion, transaction information, transition rule, producing Node , and provenance reference
Evidence expectation	Contract state records support review of lifecycle transition, state basis, and downstream processing context

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