

11.1 Overview

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The FX Transaction and Contract Lifecycle Model defines the FX-specific lifecycle states and state-transition responsibilities used by the FX Demo Logical Profile.

This model distinguishes candidate transaction information, validated transaction information, semantically interpreted transaction information, [FX Contract State](#), computed [FX Cash-Flow Obligations](#), [FX Policy Decision](#) state, and audit/provenance records. It preserves the difference between a transaction input, a validation outcome, an interpreted contract, a contract lifecycle state, a computed obligation, and a release decision.

The FX Transaction and Contract Lifecycle Model remains platform-independent. It does not prescribe a state-machine implementation, workflow engine, database status field, event store, rules engine, orchestration mechanism, API, [DDS](#) topic, [REST](#) resource, or runtime persistence mechanism. Implementation profiles select those realization mechanisms.

Figure 11-1 summarises the logical lifecycle progression used by the FX Demo Logical Profile.

```
FX Transaction Candidate
└─ Validated FX Transaction
    └─ Semantically Interpreted FX Transaction
        └─ FX Contract State
            └─ FX Cash-Flow Obligation
                └─ FX Policy Decision
                    └─ FX Release Package
```

Figure 11-1: FX logical lifecycle progression from transaction candidate to release package.

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