

Foreword

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The [FX Demo Reference Architecture](#) addresses a distributed [financial system](#) environment in which multiple organizations, jurisdictions, service providers, and oversight bodies participate in the governance of transaction processing. Earlier parts of the document set establish the conceptual foundation, [Platform Independent Model](#), FX Demo logical profile, [Platform Specific Model](#) mapping, and Phase 0 implementation guidance. [Part 6: Cost Recovery, Compensation, and Settlement Plane](#) extends that foundation by addressing the economic accountability of governed work.

Financial processing depends on services that impose real costs. These services include validation, fraud screening, anti-money-laundering review, sanctions checking, [semantic](#) interpretation, policy evaluation, persistence, provenance capture, replay support, evidence retention, authorized release, operational monitoring, and exception handling. Existing FX systems often recover these costs through exchange-rate spreads, fees, commissions, bundled service pricing, or internal chargeback models. Those mechanisms may obscure which work was performed, which participant performed it, which [evidence](#) supports it, and whether the required work occurred.

Part 6 introduces the [Cost Recovery, Compensation, and Settlement Plane](#) as an architectural mechanism for making governed work economically observable. The plane supports cost attribution, compensation for qualified [Nodes](#), settlement through ordinary accounting mechanisms, competition among compliant implementations, and visibility into missing assurance work. It does not create a blockchain-style payment system, speculative token, or alternative currency.

The plane also preserves the separation-of-concerns discipline used throughout the FX Demo Reference Architecture. Its prices govern work without requiring unnecessary access to transaction payloads, regulated data, detailed compliance findings, or sensitive business content. It links cost records to obligations and [Evidence References](#), enabling participants to distinguish low-cost compliant processing from [Under-Compliance](#).

Part 6 should be read with the preceding parts of the document set. It depends on the conceptual principles in [Part 1: Conceptual Architecture](#), the platform-independent structures in [Part 2: Distributed Node-Based Logical Architecture](#), the FX Demo logical profile in [Part 3: FX Demo Logical Profile](#), the platform-specific mapping in [Part 4: Phase 0 Implementation Profile / PSM](#), and the implementation guidance in [Part 5: Phase 0 Developer Handbook](#). It provides the additional architectural treatment needed to show how trusted distributed financial infrastructure remains economically sustainable, auditable, and accountable.

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