Continuity-Settled Currency

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What It Specifies

Each pair settlement carries an exchanged-value claim. Continuity across many settlements produces accumulated balance changes; the architecture treats the accumulated state as the operational currency for the participating parties.

The currency is fully credentialed: the participating parties, the settlement chain, and the accumulated balance all enter lineage. Audit can reconstruct the currency flow from origin through accumulation to current state.

Why It Matters Structurally

Tokenized cryptocurrency approaches face structural problems: blockchain consensus overhead, regulatory uncertainty, intermediary exchange dependency, energy cost.

Continuity-settled currency operates without these structural costs. The settlement chain itself is the currency; the architecture provides the audit primitives; intermediary exchange becomes optional.

How It Composes With Mesh Operation

The architecture defines the accumulation rules, the cross-party reconciliation, and the audit retention. Parties implementing the protocol participate in continuity-settled value flow.

Cross-authority composition operates through declared mappings. Currency flow across authorities composes through pair-settlement cross-authority taxonomy; the architecture supports cross-authority value flow without forced unification.

What This Enables

Pair-intensive operational ecosystems (charging networks, toll systems, freight networks) gain structurally-supported value flow. Defense logistics ecosystems gain the same.

The architecture also supports regulatory accommodation. Tax authorities, currency regulators, and reserve authorities can participate as credentialed observers; the architecture supports compliance without architectural compromise.