

21.7 Runtime Plane Realization Requirements

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This section identifies the normative requirements established for Phase 0 realization of FX Runtime Plane distinctions. The canonical requirement statements are maintained in [Annex D: Requirements, Part 4, Section 21.7](#).

Table 21-6: Runtime Plane realization requirements.

Requirement ID	Statement
P4-REQ-21-7-001	The Phase 0 Implementation Profile / PSM SHALL realize FX Runtime Plane distinctions through implementation artifacts and conventions.
P4-REQ-21-7-002	The Phase 0 Implementation Profile / PSM SHALL define Control Plane realization for operational coordination, commands, acknowledgments, registration, retry, recovery, and status-request interactions.
P4-REQ-21-7-003	The Phase 0 Implementation Profile / PSM SHALL define Data Plane realization for FX transaction, validation, semantic, contract state, and cash-flow information exchange.
P4-REQ-21-7-004	The Phase 0 Implementation Profile / PSM SHALL define Health and Observability Plane realization for Node status, lifecycle state, warning, degradation, failure, recovery, and operational condition reporting.
P4-REQ-21-7-005	The Phase 0 Implementation Profile / PSM SHALL define Policy and Release Plane realization for policy decisions, release packages, release obligations, and authorized oversight consumption.
P4-REQ-21-7-006	The Phase 0 Implementation Profile / PSM SHALL define Audit and Provenance Plane realization for audit records, provenance records, replay requests, replay results, lineage, reconstruction, and evidence-supporting relationships.
P4-REQ-21-7-007	Cross-plane implementation relationships SHALL preserve the distinct architectural purpose of each Runtime Plane involved.
P4-REQ-21-7-008	Implementation mechanisms SHALL NOT collapse Runtime Plane distinctions.

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