

3.1 Traceability to SIP-RA

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SIP-RA supplies the parent architecture discipline for structured information processing systems. This part specializes that discipline into a distributed, node-based Logical Architecture for financial systems.

The Logical Architecture / PIM preserves the SIP-RA emphasis on structured information, explicit interfaces, separation of concerns, [Traceability](#), governed processing, reviewability, and implementation independence. It applies those concerns by defining identifiable logical Nodes, [Logical Communication Endpoints](#), [Logical Data Structure Definitions](#), logical Runtime Planes, logical interaction patterns, and logical traceability relationships.

Table 3-1: SIP-RA concerns addressed by the Logical Architecture / PIM

SIP-RA concern	Part 2: logical treatment
Structured information processing	Defines logical information structures , logical messages , logical events , logical commands , logical assertions , and logical records .
Explicit interfaces	Defines Logical Communication Endpoints and logical interaction roles.
Separation of concerns	Defines logical Runtime Planes and separates control, data, health, policy/release, and audit/provenance concerns.
Traceable interpretation	Defines logical traceability relationships between concepts and logical elements, and between logical interactions and evidence expectations.
Governed processing across boundaries	Defines logical governance relationships, logical policy constraints , and logical release interactions.
Audit and review	Defines logical audit, provenance, evidence , replay, and reconstruction relationships.
Implementation independence	Avoids binding logical elements to DDS, REST, RPC, Protocol Buffers, IDL, Python, Kubernetes, K3S, Docker, RTI Connex DD, Crucible, or other implementation mechanisms.

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