

3.3 Traceability to Part 1 Conceptual Architecture

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Part 1 defines the conceptual foundation for the Financial Systems Archetype. This part preserves that foundation by ensuring that Phase 0 implementation artifacts trace back to the applicable conceptual elements through Part 2 and Part 3.

The Phase 0 Implementation Profile does not redefine the concepts in Part 1. It maps implementation artifacts to FX logical elements that already specialize inherited conceptual elements. An implementation Node traces through an FX logical [Node](#) to a [Node](#). A [DDS](#) Topic traces through an FX logical [Communication Endpoint](#) to a Communication Endpoint. An [IDL](#) structure or generated type traces through an FX logical information structure to a Data Structure Definition or Data Structure Instance. Implementation-level evidence hooks trace through FX evidence expectations to [Evidence](#) and [Traceability](#).

Table 3-3: Part 1 concepts preserved by the Phase 0 Implementation Profile.

Part 1 concept	Part 4: Phase 0 implementation treatment
Node	Implementation Nodes, modules, processes, or runtime participants realize selected FX logical Nodes without redefining the Node concept.
Node Identity	Implementation identifiers preserve traceability to FX logical Node identities.
Node Role	Implementation modules or responsibilities realize selected FX logical Node Roles without redefining the Node Role concept.
Runtime Plane	Implementation groupings, topic conventions, logging conventions, and runtime conventions preserve Runtime Plane distinctions.
Communication Endpoint	DDS Topics or selected communication artifacts realize FX logical Communication Endpoints .
Data Structure Definition	IDL structures, generated types, and implementation data representations realize FX logical information definitions.
Data Structure Instance	Runtime messages, samples, records, commands, acknowledgements, and generated type instances realize FX logical information instances.
Evidence	Implementation artifacts prepare for later evidence capture, preservation, and review in Part 5.
Traceability	Implementation mappings preserve forward and backward traceability among conceptual, logical, FX logical, and implementation artifacts.
Governance and Authority	Implementation conventions preserve governance, versioning, compatibility, change control, and review expectations.

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