

17.11 FX Logical Traceability Requirements

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This section identifies the normative requirements established for the FX Logical Traceability Model within the FX Demo Logical Profile. The canonical requirement statements are maintained in [Annex D: Requirements, Part 3, Section 17.11](#).

Table 17-10: FX logical traceability requirements.

Requirement ID	Statement
P3-REQ-17-11-001	The FX Demo Logical Profile SHALL define an FX Demo Logical Traceability Model.
P3-REQ-17-11-002	The FX Demo Logical Traceability Model SHALL define traceability from Part 1 conceptual elements to FX logical profile elements.
P3-REQ-17-11-003	The FX Demo Logical Traceability Model SHALL define traceability from Part 2 logical elements to FX logical profile elements.
P3-REQ-17-11-004	The FX Demo Logical Traceability Model SHALL define: • FX Node Traceability • FX Endpoint Traceability • FX Information Structure Traceability • FX Runtime Plane Traceability • FX Interaction Traceability • FX Evidence Traceability
P3-REQ-17-11-005	FX Node Traceability SHALL relate an FX logical Node to inherited logical sources, conceptual sources, Node Roles, responsibilities, endpoints, Runtime Plane participation, interactions, governance relationships, and evidence expectations.
P3-REQ-17-11-006	FX Endpoint Traceability SHALL relate an FX logical Communication Endpoint to inherited logical sources, conceptual sources, participating Nodes, Communication Roles, information structures, Runtime Plane classifications, governance constraints, and evidence expectations.
P3-REQ-17-11-007	FX Information Structure Traceability SHALL relate FX logical information structures to inherited logical sources, conceptual sources, Nodes, endpoints, interactions, Runtime Planes, governance constraints, lineage, and evidence expectations.
P3-REQ-17-11-008	FX Runtime Plane Traceability SHALL relate FX logical interactions and information exchanges to their FX Runtime Plane classification.
P3-REQ-17-11-009	FX Interaction Traceability SHALL relate FX logical interaction patterns to inherited Part 2 interaction patterns, Nodes, roles, endpoints, information structures, Runtime Planes, governance constraints, and evidence expectations.
P3-REQ-17-11-010	FX Evidence Traceability SHALL relate FX logical profile elements and interactions to evidence expectations for later implementation, deployment, testing, and review.
P3-REQ-17-11-011	FX logical traceability SHALL support forward review from the conceptual concern to the FX logical profile element.

Requirement ID	Statement
P3-REQ-17-11-012	FX logical traceability SHALL support backward review from the FX logical profile element to the Part 1 conceptual source and the Part 2 logical source.
P3-REQ-17-11-013	FX logical traceability SHALL support later traceability from FX logical profile elements to implementation artefacts, deployment artefacts, test scenarios, runtime observations, audit records, provenance records, and evidence packages.

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