

8.5 FX Validation Node Mapping

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The FX Validation [Node](#) maps to the Phase 0 implementation artifact that validates candidate FX transaction information against the Phase 0 validation expectations.

The implementation artifact performs the Structural Validation [Role](#). It subscribes to the [DDS](#) Topic that realizes the FX Transaction Intake [Endpoint](#), consumes the implementation representation of an FX Transaction Candidate, applies the Phase 0 validation logic, produces an implementation representation of an FX Validation Result, and publishes that result through the DDS Topic that realizes the FX Validation Result Endpoint.

Table 8-3: FX Validation Node implementation mapping.

Mapping Concern	Phase 0 Implementation Treatment
FX logical Node	FX Validation Node
Primary Node Role	Structural Validation Role
Primary Runtime Plane	FX Logical Data Plane
Supporting Runtime Planes	FX Logical Audit and Provenance Plane; FX Logical Health and Observability Plane
Primary implementation responsibility	Validate candidate FX transaction information and publish validation results.
Primary DDS interactions	Subscribe to the DDS Topic that realizes the FX Transaction Intake Endpoint; publish to the DDS Topic that realizes the FX Validation Result Endpoint.
Primary data artifacts	IDL and generated types representing the FX Transaction Candidate and the FX Validation Result.
Supporting artifacts	Validation helper module, Node configuration, logging helper, exception-handling convention, and traceability metadata.
Traceability expectation	Implementation artifact traces to the FX Validation Node, Structural Validation Role, FX Transaction Intake Endpoint, FX Validation Result Endpoint, FX Transaction Candidate, and FX Validation Result.

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