

6.4.4 Flow and Interface Definition

[Return to Required Submission Content](#)

Flow and [Interface](#) definitions govern how structured information moves between architectural elements and how interactions across architectural boundaries are controlled.

The architectural description explains how information flows are structured, governed, versioned, and segmented across defined attachment points.

Requirements

Requirement	Statement
SIP-051 — Flow and Interface Description	The Submission SHALL describe the structured information flows, attachment points, Interface Contracts , and information-flow segmentation mechanisms defined by the proposed Reference Architecture .
SIP-052 — Interface Contract Evolution	The architectural model SHALL define mechanisms governing the controlled evolution of versioned Interface Contracts .

Required Coverage

The description required by SIP-051 includes the architectural information governed by the following requirements:

Requirement	Required Architectural Information
SIP-005 — Structured Information Flow	Architectural constructs representing the flow of structured information between architectural elements
SIP-007 — Structured Information Attachment Points	Attachment points through which structured information enters and exits architectural elements
SIP-008 — Information Boundary Constructs	Boundary constructs governing ingress, transformation, and egress
SIP-009 — Version-Controlled Interface Contracts	Version-controlled Interface Contracts governing exchange across applicable attachment points
SIP-018 — Information-Flow Segmentation	Enforcement of information-flow segmentation based on Governance or security constraints
SIP-020 — Governance Constraints and Interface Contracts	Separation of Governance constraints from Interface Contracts

Notes for Editors

The links to SIP-051 and SIP-052 provide temporary access to their individual Annex C requirement pages while those records are being created and reviewed.

After those records are complete, replace each locally maintained Statement with a transclusion of its authoritative Statement.

SIP-051 governs the required description. The requirements listed under Required Coverage govern the underlying architectural constructs, relationships, and controls.

SIP-009 requires Interface Contracts to be version controlled and to govern structured information exchange. SIP-052 adds the distinct requirement to define mechanisms governing the controlled evolution of those contracts.

The Required Coverage table provides a nonnormative summary. The corresponding Annex C requirement records remain authoritative.

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