

6.2.1 In Scope

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The following requirements define the architectural capabilities and abstractions that a Submission SHALL address. Unless otherwise stated, each requirement applies to the Submission and the proposed [Reference Architecture](#) described by that Submission.

Requirements

Requirement	Statement
SIP-001 — Platform-Independent Reference Architecture	The proposed Reference Architecture SHALL be platform independent.
SIP-002 — Formal Platform Independent Model	The Submission SHALL include a formal Platform Independent Model (PIM) of the proposed Reference Architecture .
SIP-003 — Reference Architecture Constituents	The architectural Model SHALL define the elements, Roles , relationships, and interaction constructs that comprise the Reference Architecture .
SIP-004 — Separation of Architectural Concerns	The architectural Model SHALL represent Data , Structure , Semantics , and Interpretation as separable but coordinated architectural concerns.
SIP-005 — Structured Information Flow	The information-flow Model SHALL define an architectural construct representing the flow of structured information between architectural elements.
SIP-006 — Ordered Modular Processing Flows	The processing-flow Model SHALL define ordered processing flows composed of modular components connected through governed interaction constructs.
SIP-007 — Structured Information Attachment Points	Each architectural element that exchanges structured information SHALL expose explicit attachment points through which that information enters or exits the element.
SIP-008 — Information Boundary Constructs	The architectural Model SHALL define boundary constructs governing the ingress, transformation, and egress of structured information.
SIP-009 — Version-Controlled Interface Contracts	Each Interface Contract SHALL be version-controlled and SHALL govern the exchange of structured information across applicable attachment points.
SIP-010 — Structural Artifact Lifecycle Governance	The Governance Model SHALL define lifecycle controls for structural Artifacts .
SIP-011 — Semantic Artifact Lifecycle Governance	The Governance Model SHALL define lifecycle controls for semantic Artifacts .
SIP-012 — Interpretive Artifact Lifecycle Governance	The Governance Model SHALL define lifecycle controls for interpretive Artifacts .
SIP-013 — Reproducible Interpretation	The Interpretation Model SHALL support reproduction of an Interpretation using identified, version-controlled conditions.

Requirement	Statement
SIP-014 — Jurisdictional Control of Structural Definitions	The Governance Model SHALL allow each Jurisdiction to retain Authority over the structural definitions applicable within its operational boundary.
SIP-015 — Jurisdictional Control of Semantic Definitions	The Governance Model SHALL allow each Jurisdiction to retain Authority over the semantic definitions applicable within its operational boundary.
SIP-016 — Cross-Jurisdictional Integration	The integration Model SHALL define modular constructs supporting operations across Jurisdictional boundaries.
SIP-017 — Cross-Security-Boundary Integration	The security architecture SHALL define modular integration constructs supporting operations across Security Boundaries .
SIP-018 — Information-Flow Segmentation	The information-flow Model SHALL define mechanisms for enforcing segmentation based on applicable Governance or security constraints.
SIP-019 — Data Plane and Control Plane Separation	The Reference Architecture SHALL separate the Data Plane from the Control Plane .
SIP-020 — Governance Constraints and Interface Contracts	The Governance Model SHALL distinguish Governance constraints from Interface Contracts.
SIP-021 — Independent Conformance Requirements	The conformance Model SHALL define conformance requirements independently of Interface interaction definitions.
SIP-022 — Technology-Independent Conformance Points	The conformance Model SHALL define conformance points that support inspection and verification independently of implementation technology.
SIP-023 — Governance Evolution and Operational Execution	The Reference Architecture SHALL separate the evolution of Governance Artifacts from execution of the operational processing flow.

Notes for Editors

The requirement identifiers and short titles link to the authoritative requirement records in Annex C.

The Statements displayed in this section are transcluded from the corresponding Annex C requirement pages and are not independently maintained copies.

Make changes to a Statement on its Annex C requirement page.

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