

SIP-045 — Architectural Visual Representations

[Go to Annex C: Requirements](#)

Statement

The Submission SHALL include visual representations of the ordered processing flows and boundary constructs defined by the architectural model without requiring conforming implementations to use a specific modeling notation.

Rationale

Visual representations make architectural organization, processing order, information movement, interfaces, and boundaries easier to evaluate than textual descriptions alone.

Requiring visual representations improves architectural clarity without making a particular modeling language, diagram type, notation, interchange format, or modeling tool a condition of conformance.

Evaluation Criteria

A conforming Submission demonstrates that:

1. Visual representations of the ordered processing flows are included
2. Visual representations of the applicable boundary constructs are included
3. Architectural elements shown in the representations correspond to elements defined by the architectural model
4. Processing order and information-flow direction can be identified
5. Attachment points and relevant boundary crossings can be identified
6. Symbols, relationships, and notational conventions are explained
7. Visual representations remain consistent with the normative architectural description
8. Conforming implementations are not required to use the notation selected by the Submission

Related Requirements

1. [SIP-006 — Ordered Modular Processing Flows](#)
2. [SIP-008 — Information Boundary Constructs](#)
3. [SIP-039 — Platform-Independent Modeling](#)
4. [SIP-040 — Representation-Independent Architectural Constructs](#)
5. [SIP-041 — Modeling and Tooling Conformance Neutrality](#)

Referenced By

- [6.4.1 Architectural Description](#)

Notes for Editors

This requirement governs visual specification artifacts. It does not require a conforming implementation to use the same notation, modeling language, interchange format, or tool used to create those artifacts.

Use the following syntax to include the authoritative Statement on another wiki page:

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{{section>public:00-sip-ra:99-annexes:annex-c-requirements:sip-045-architectural-visual-representations#Statement&noheader&nofooter&noeditbtn}}}
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