

SIP-041 — Modeling and Tooling Conformance Neutrality

[Go to Annex C: Requirements](#)

Statement

The conformance requirements SHALL NOT require implementations to use a specific modeling language, model-interchange format, or vendor tooling environment.

Rationale

Conformance to the proposed Reference Architecture concerns the implementation of its architectural constructs, relationships, constraints, and externally observable responsibilities. It should not depend on the modeling language, interchange format, or tool used to develop or document an implementation.

Tooling neutrality avoids vendor dependency, supports different engineering environments, and allows implementation practices to evolve without changing the architectural standard.

Evaluation Criteria

A conforming Submission demonstrates that:

1. Conformance criteria are stated independently of a specific modeling language
2. Conformance does not depend on a particular model-interchange format
3. No vendor product or tooling environment is required
4. Required architectural characteristics can be verified through implementation-independent conformance points
5. Alternative modeling and engineering environments can produce conforming implementations
6. Tool-specific artifacts, if supplied, are identified as informative or as one possible representation
7. Conformance can be assessed without access to the tool used to create an implementation

Referenced By

- [5.1.9 Implementation Flexibility](#)
- [6.3.3 Modeling Neutrality](#)
- [6.4.6 Implementation Conformance Model](#)
- [SIP-045 — Architectural Visual Representations](#)
- [SIP-054 — Implementation Conformance Model](#)

Notes for Editors

SIP-030 establishes general tool and technology neutrality. SIP-041 applies that principle specifically to modeling languages, model-interchange formats, and vendor modeling environments.

This requirement does not prevent the adopted specification from using a standard modeling language or interchange format for its normative specification artifacts. It prevents those authoring choices from becoming mandatory technologies for conforming implementations.

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

```
{{section>public:00-sip-ra:99-annexes:annex-c-requirements:sip-041-modeling-and-tooling-conformance-neutrality#Statement&noheader&nofooter&noeditbtn}}
```

© 2026 Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

From:
<https://wiki.didosolutions.com/> - **Dido Solutions, Inc Wiki**

Permanent link:
<https://wiki.didosolutions.com/public/00-sip-ra/99-annexes/annex-c-requirements/sip-041-modeling-and-tooling-conformance-neutrality>

Last update: 2026/09/14 17:56

