

Structured Information Processing Reference Architecture (SIP-RA)

The Objective of this RFP

This request for proposals seeks a platform-independent Reference Architecture governing the controlled processing of structured information artifacts in mission-critical and regulated environments. The requested architecture defines architectural constructs that separate data, structure, semantics, and interpretation; establish governed processing flows across defined boundaries; preserve jurisdictional authority over structural and semantic definitions; and support modular, inspectable, and reproducible information processing independent of specific implementation technologies.

TOC

[Go to General Topics](#)

- [Cover Page](#)
- [1 Introduction](#)
 - [1.1 Goals of OMG](#)
 - [1.2 Organization of this document](#)
 - [1.3 Conventions](#)
 - [1.4 Contact Information](#)
- 3. [2 Architectural Context](#)
- 4. [3 Adoption Process](#)
 - [3.1 Introduction](#)
 - [3.2 The Adoption Process in detail](#)
 - [3.2.1 Development and Issuance of RFP](#)
 - [3.2.2 Letter of Intent \(LOI\)](#)
 - [3.2.3 Voter Registration](#)
 - [3.2.4 Initial Submissions](#)
 - [3.2.5 Revised Submissions](#)
 - [3.2.6 Selection Votes](#)
 - [3.2.7 Business Committee Questionnaire](#)
 - [3.2.8 Finalization & Revision](#)
- 5. [4 Instructions for Submitters](#)
 - [4.1 OMG Membership](#)
 - [4.2 Intellectual Property Rights](#)
 - [4.3 Submission Effort](#)
 - [4.4 Letter of Intent](#)
 - [4.5 Business Committee terms](#)
 - [4.5.1 Introduction](#)
 - [4.5.2 Business Committee evaluation criteria](#)
 - [4.5.2.1 Viable to implement across platforms](#)
 - [4.5.2.2 Commercial availability](#)
 - [4.5.2.3 Access to Intellectual Property Rights](#)

- 4.5.2.4 Publication of the specification
- 4.5.2.5 Continuing support
- 6. 4.6 Responding to RFP items
 - 4.6.1 Complete proposals
 - 4.6.2 Additional specifications
 - 4.6.3 Alternative approaches
- 7. 4.7 Confidential and Proprietary Information
- 8. 4.8 Proof of Concept
- 9. 4.9 Submission Format
 - 4.9.1 General
 - 4.9.2 Mandatory Outline
- 10. 4.10 How to Submit
- 6. 5 General Requirements on Proposals
 - 5.1 Requirements
 - 5.1.1 Use of modelling languages
 - 5.1.2 PIMs & PSMs
 - 5.1.3 Complete submissions
 - 5.1.4 Reuse
 - 5.1.5 Changes to existing specifications
 - 5.1.6 Minimalism
 - 5.1.7 Independence
 - 5.1.8 Compatibility
 - 5.1.9 Implementation flexibility
 - 5.1.10 Encapsulation
 - 5.1.11 Security
 - 5.1.12 Internationalization
 - 2. 5.2 Evaluation criteria
 - 5.2.1 Performance
 - 5.2.2 Portability
 - 5.2.3 Securability
 - 5.2.4 Conformance: Inspectability and Testability
 - 5.2.5 Standardized Metadata
- 7. 6 Specific Requirements on Proposals
 - 6.1 Problem Statement
 - 6.2 Scope of Proposals Sought
 - 6.2.1 In Scope
 - 6.2.2 Out of Scope
 - 3. 6.3 Relationship to Other OMG Specifications
 - 6.3.1 Architectural Positioning
 - 6.3.2 Complementarity with Exchange and Semantic Federation Specifications
 - 6.3.3 Modeling Neutrality
 - 4. 6.4 Required Submission Content
 - 6.4.1 Architectural Description
 - 6.4.2 Platform-Independent Model Definition
 - 6.4.3 Data, Structure, Semantics, and Interpretation
 - 6.4.4 Flow and Interface Definition
 - 6.4.5 Governance and Authority
 - 6.4.6 Implementation Conformance Model
 - 6.4.7 RFP Traceability

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

From:

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

Permanent link:

<https://wiki.didosolutions.com/dido/00-sip-ra/start?rev=1783531417>

Last update: **2026/07/08 10:23**

