

SIP-025 — Transport and Runtime Mechanism Exclusion

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Statement

The proposed [Reference Architecture](#) SHALL NOT define transport protocols, message-exchange frameworks, or runtime communication mechanisms.

Rationale

Transport protocols, message-exchange frameworks, and runtime communication mechanisms are platform-specific realization choices. Incorporating them into the Reference Architecture would constrain portability, limit implementation alternatives, and risk duplicating existing standards.

SIP-RA must define architectural interactions and information exchanges independently of the technologies used to carry them. Implementations and platform-specific profiles may map those abstractions to appropriate transport and runtime mechanisms.

Evaluation Criteria

The Submission satisfies this requirement when the proposed Reference Architecture:

1. Defines interactions and information exchanges independently of a specific transport protocol
2. Avoids requiring a particular message-exchange framework
3. Avoids defining a new runtime communication mechanism
4. Permits architectural interactions to be realized using multiple transport technologies
5. Distinguishes platform-specific mappings and examples from the normative architecture
6. Avoids making conformance dependent on a particular transport or messaging product
7. References applicable existing standards rather than redefining their transport behavior

Referenced By

- [6.2.2 Out of Scope](#)

Notes for Editors

This exclusion does not prevent SIP-RA from defining abstract interaction constructs, information-flow semantics, attachment points, Interface Contracts, or requirements that a transport realization must

satisfy.

A Submission may provide nonnormative mappings to protocols or frameworks to demonstrate that the architecture can be realized.

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