Why Are We Proposing SIP-RA?

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The Current Gap

- Existing standards address important parts of structured information processing
- Implementations still combine Data, Structure, Semantics, Interpretation, and Governance in different ways
- No common Reference Architecture defines how these concerns work together across independently governed Domains
- Federation continues to depend on custom mappings, interfaces, and agreements
- Authority, provenance, and version dependencies are often difficult to identify

The Proposed OMG Action

- Issue an RFP for a platform-independent Structured Information Processing Reference Architecture
- Define the required architectural roles, responsibilities, relationships, and interfaces
- Establish requirements for Governance, lifecycle control, federation, and Traceability
- Reuse and relate applicable OMG specifications rather than replace them
- Allow competing or joint submissions to propose the resulting specification

Intended Result

- A common architectural foundation for interoperable structured information processing
- Clear separation between governed information and implementation technology
- Consistent allocation of responsibilities across Systems and Domains
- A specification that can support multiple platforms, industries, and missions

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