

GPR-007 — Reuse of Existing Standards

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Statement

The Submission SHALL reuse applicable existing OMG and other recognized standards rather than define new models that provide equivalent capabilities.

Requirement Level

Mandatory

Rationale

Reusing established standards promotes interoperability, consistency, implementation reuse, and compatibility with the existing standards ecosystem. It also reduces the risk of introducing overlapping concepts, conflicting definitions, and competing conformance requirements.

A new model is appropriate when no applicable existing standard provides the required capability. In that case, the Submission must distinguish the unmet architectural need from capabilities already standardized elsewhere.

Evaluation Criteria

A conforming Submission demonstrates that:

1. Existing OMG specifications relevant to the proposed capabilities are identified
2. Other applicable recognized standards are identified
3. Capabilities available from those standards are evaluated
4. Applicable existing models and constructs are reused
5. Reused standards and their applicable versions are referenced
6. Relationships between reused standards and newly defined models are described
7. New models do not duplicate capabilities already provided by an applicable standard
8. Any decision not to reuse an apparently applicable standard is explained
9. Each new model addresses an identified capability not adequately provided by an applicable existing standard
10. Extensions to reused standards are distinguished from their normative definitions
11. Conformance responsibilities belonging to reused standards remain identifiable

Referenced By

- [5.1.4 Reuse](#)
- [5.1.7 Independence](#)
- [5.1.8 Compatibility](#)

Notes for Editors

The qualification “applicable” avoids requiring use of a standard that does not address the architectural need. “Equivalent capabilities” is used instead of “similar functionality” to provide a more objective basis for evaluation.

GPR-007 does not prohibit new models. When a new model is necessary, the Submission must identify the unmet need and demonstrate that the model does not duplicate an applicable existing standard.

SIP-026 preserves existing OMG specifications. SIP-034 preserves existing transport and exchange constructs. SIP-038 prohibits duplicating capabilities standardized by existing information-exchange, Interoperability, and semantic-federation specifications.

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:gpr-007-reuse-of-existing-standards#Statement&noheader&nofooter&noeditbtn}}
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