

P1-REQ-13-10-002

[Return to Part 1 Requirements](#)

Statement

An Implementation Profile / [PSM](#) SHALL preserve the conceptual definitions inherited from this part.

Source

Part 1, Section 13.10: Profile and Layering Requirements.

Rationale

An Implementation Profile / PSM maps logical and conceptual meaning to selected technologies, platforms, tools, languages, middleware, and implementation artifacts. It inherits conceptual definitions from Part 1 and realizes them through implementation-specific choices.

This requirement prevents implementation-specific mechanisms from changing inherited conceptual meaning. It preserves the separation between conceptual architecture and platform-specific realization.

Applies To

This requirement applies to Implementation Profiles and PSM artifacts that inherit conceptual definitions from Part 1.

It applies specifically to:

- Implementation Profile content
- PSM content
- Implementation mappings
- Platform-specific artifacts
- Inherited conceptual definitions

Verification

Verification SHALL confirm that each Implementation Profile / PSM preserves the conceptual definitions inherited from Part 1.

Verification activities include review checks confirming that:

- Implementation artifacts trace to logical or conceptual elements
- Implementation mappings preserve inherited conceptual meaning
- Platform-specific mechanisms do not redefine conceptual elements
- Implementation-specific terms remain distinct from conceptual terms

Traceability

Related source section:

- [13.10 Profile and Layering Requirements](#)

Related requirement identifiers:

- [P1-REQ-13-10-001](#)
- [P1-REQ-13-10-004](#)
- [P1-REQ-13-10-006](#)
- [P1-REQ-13-10-008](#)
- [P1-REQ-13-9-005](#)

Status

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