

P1-REQ-13-7-003

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Statement

An Implementation Profile / [PSM](#) artifact SHALL trace to the logical element it realizes.

Source

Part 1, Section 13.7: Traceability Requirements.

Rationale

Implementation Profile and PSM artifacts realize logical elements in a selected technology or platform context. Traceability to the logical element preserves the relationship between platform-specific realization and platform-independent design.

This requirement prevents implementation artifacts from appearing without architectural purpose or from redefining logical meaning.

Applies To

This requirement applies to Implementation Profile and PSM artifacts.

It applies specifically to:

- Implementation Profile artifacts
- PSM artifacts
- Logical-to-implementation trace links
- Platform-specific realization
- Implementation mappings

Verification

Verification SHALL confirm that each Implementation Profile / PSM artifact traces to the logical element it realizes.

Verification activities include review checks confirming that:

- Implementation artifacts identify the logical elements they realize

- PSM artifacts identify the logical elements they realize
- Implementation artifacts do not redefine logical elements
- Trace links support review from logical element to implementation artifact

Traceability

Related source section:

- [13.7 Traceability Requirements](#)

Related requirement identifiers:

- [P1-REQ-13-7-001](#)
- [P1-REQ-13-7-002](#)
- [P1-REQ-13-7-004](#)
- [P1-REQ-13-7-006](#)
- [P1-REQ-13-7-007](#)

Status

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