

P1-REQ-13-7-003

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Statement

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

Source

Part 1, Section 13.7: Traceability Requirements.

Rationale

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

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

Applies To

This requirement applies to Implementation Profile and PSM artefacts.

It applies specifically to:

- Implementation Profile artefacts
- PSM artefacts
- Logical-to-implementation trace links
- Platform-specific realisation
- Implementation mappings

Verification

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

Verification activities include review checks confirming that:

- Implementation artefacts identify the logical elements they realise

- PSM artefacts identify the logical elements they realise
- Implementation artefacts do not redefine logical elements
- Trace links support review from logical element to implementation artefact

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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