

P1-REQ-13-9-006

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Statement

The [Logical Architecture](#) / PIM SHALL provide [Traceability](#) from logical elements to the conceptual elements they specialize, refine, constrain, or relate.

Source

Part 1, Section 13.9: Relationship to Logical Architecture / PIM Requirements.

Rationale

Traceability from logical elements to conceptual elements preserves the connection between conceptual meaning and logical refinement. It allows reviewers to confirm that each logical element has a conceptual basis and that logical refinement does not change conceptual meaning.

This requirement supports forward review, backward review, impact analysis, and controlled evolution between Part 1 and the Logical Architecture / PIM.

Applies To

This requirement applies to Logical Architecture / PIM traceability relationships.

It applies specifically to logical elements that:

- Specialize conceptual elements
- Refine conceptual elements
- Constrain conceptual elements
- Relate to conceptual elements
- Support conceptual-to-logical review

Verification

Verification SHALL confirm that the Logical Architecture / PIM provides Traceability from logical elements to the conceptual elements they specialize, refine, constrain, or relate.

Verification activities include review checks confirming that:

- Logical elements identify related conceptual elements
- Trace links describe specialization, refinement, constraint, or relationship
- Trace links support review from logical elements back to conceptual elements
- Trace links support impact analysis between conceptual and logical material

Traceability

Related source section:

- [13.9 Relationship to Logical Architecture / PIM Requirements](#)

Related requirement identifiers:

- [P1-REQ-13-9-001](#)
- [P1-REQ-13-9-002](#)
- [P1-REQ-13-7-001](#)
- [P1-REQ-13-7-002](#)
- [P1-REQ-13-7-006](#)
- [P1-REQ-13-7-007](#)

Status

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