

P2-REQ-16-4-005

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Statement

The Logical Architecture / PIM SHALL define logical communication through explicit [Logical Communication Endpoints](#) rather than hidden coupling, undocumented dependencies, or implicit control paths.

Source

Part 2, Section 16.4: Logical Communication Requirements.

Rationale

Explicit Logical Communication Endpoints make communication relationships visible, reviewable, and traceable. Avoiding hidden coupling and undocumented dependencies preserves architectural clarity and enables consistent governance, interoperability, and implementation mapping.

Applies To

This requirement applies to the Logical Communication Model and all Logical Interaction Patterns.

It applies specifically to:

- Logical Communication Endpoints;
- Logical Nodes;
- Logical Interactions; and
- Domain Logical Profiles.

Verification

Verification SHALL confirm that logical communication is defined through explicit Logical Communication Endpoints.

Verification activities should include review checks confirming that:

- communication paths are explicitly identified;
- undocumented dependencies are absent;
- hidden coupling is avoided; and

- logical interactions occur through defined Logical Communication Endpoints.

Traceability

This requirement supports traceability between Logical Communication Endpoints, Logical Nodes, and Logical Interaction Patterns.

Related requirement identifiers:

- [P2-REQ-16-4-003](#)
- [P2-REQ-16-4-004](#)
- [P2-REQ-16-7-001](#)

Related source section:

- [16.4 Logical Communication Requirements](#)

Status

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