

P2-REQ-16-4-001

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Statement

The Logical Architecture / PIM SHALL define [Logical Communication Endpoint](#) and [Communication Role](#).

Source

Part 2, Section 16.4: Logical Communication Requirements.

Rationale

The Logical Communication Model establishes the platform-independent means by which Logical Nodes exchange information. Defining both Logical Communication Endpoints and Communication Roles provides a consistent foundation for modeling interactions while remaining independent of communication technologies, implementation mechanisms, and deployment environments.

Without these concepts, logical communication would become dependent on implementation-specific interfaces, reducing interoperability, architectural consistency, and traceability.

Applies To

This requirement applies to the definition, review, maintenance, interpretation, and specialization of the Logical Communication Model.

It applies specifically to:

- Logical Communication Endpoints;
- Communication Roles;
- Logical interaction modeling; and
- Domain Logical Profiles.

Verification

Verification SHALL confirm that the Logical Architecture / PIM defines both Logical Communication Endpoints and Communication Roles.

Verification activities should include review checks confirming that:

- Logical Communication Endpoints are explicitly defined;
- Communication Roles are explicitly defined;
- both concepts remain platform independent; and
- the definitions support logical communication throughout the architecture.

Traceability

This requirement supports traceability from Logical Nodes to the Logical Communication Model and its interaction patterns.

Related requirement identifiers:

- [P2-REQ-16-3-007](#)
- [P2-REQ-16-4-002](#)
- [P2-REQ-16-4-003](#)
- [P2-REQ-16-4-004](#)

Related source section:

- [16.4 Logical Communication Requirements](#)

Status

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