

# P2-REQ-16-3-007

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## Statement

Logical Node Collaboration SHALL identify explicit logical cooperation among [Logical Nodes](#) through [Communication Endpoints](#) and interaction patterns.

## Source

Part 2, Section 16.3: Logical Node Requirements.

## Rationale

Logical Node Collaboration defines how Logical Nodes cooperate without introducing hidden dependencies or implementation-specific relationships. Explicit collaboration improves interoperability, reviewability, governance, and traceability.

## Applies To

This requirement applies to Logical Node collaboration throughout the Logical Architecture.

It applies specifically to:

- Logical Nodes;
- Logical Communication Endpoints;
- Interaction Patterns; and
- Domain Logical Profiles.

## Verification

Verification SHALL confirm that Logical Node Collaboration identifies explicit cooperation among Logical Nodes.

Verification activities should include review checks confirming that:

- collaborations are explicitly identified;
- Logical Nodes cooperate through Communication Endpoints;
- interaction patterns describe the collaboration; and
- hidden dependencies are avoided.

## Traceability

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

Related requirement identifiers:

- [p2-req-16-3-001](#)
- [p2-req-16-3-006](#)
- [p2-req-16-4-001](#)

Related source section:

- [16.3 Logical Node Requirements](#)

## Status

Draft

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