

P2-REQ-16-3-006

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Statement

A Logical Node Boundary SHALL identify what the logical architecture treats as inside or outside a [Logical Node](#) for responsibility, interaction, [Traceability](#), and review.

Source

Part 2, Section 16.3: Logical Node Requirements.

Rationale

Logical Node Boundaries define the scope of a Logical Node and distinguish internal responsibilities from external interactions. Clear boundaries support architectural review, governance, traceability, implementation mapping, and evolution of the logical architecture.

Applies To

This requirement applies to Logical Node definitions and Logical Node modeling.

It applies specifically to:

- Logical Node Boundaries;
- Responsibility allocation;
- Logical interactions; and
- Architectural review.

Verification

Verification SHALL confirm that each Logical Node Boundary clearly identifies what is considered inside and outside the Logical Node.

Verification activities should include review checks confirming that:

- Logical Node Boundaries are explicitly identified;
- responsibilities are consistently allocated across boundaries;
- logical interactions cross defined boundaries; and
- boundaries support traceability and review.

Traceability

This requirement supports traceability between Logical Node Boundaries, Logical Nodes, and Logical Interactions.

Related requirement identifiers:

- [P2-REQ-16-3-001](#)
- [P2-REQ-16-3-005](#)
- [P2-REQ-16-3-007](#)

Related source section:

- [16.3 Logical Node Requirements](#)

Status

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