

P2-REQ-16-5-008

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Statement

A Logical Acknowledgement SHALL represent a [Logical Data Structure Instance](#) reporting receipt, acceptance, rejection, completion, failure, or outcome.

Source

Part 2, Section 16.5: Logical Information Requirements.

Rationale

Logical Acknowledgements communicate the outcome of previously initiated logical interactions. They provide a consistent, platform-independent means of reporting receipt and execution status while supporting accountability, operational coordination, and traceability.

Applies To

This requirement applies to the Logical Information Model.

It applies specifically to:

- Logical Acknowledgements;
- Logical Data Structure Instances;
- Logical Interaction Patterns; and
- Logical Control Plane interactions.

Verification

Verification SHALL confirm that each Logical Acknowledgement represents a Logical Data Structure Instance reporting receipt, acceptance, rejection, completion, failure, or outcome.

Verification activities should include review checks confirming that:

- Logical Acknowledgements are explicitly identified;
- acknowledgement outcomes are clearly defined;
- Logical Acknowledgements remain platform independent; and
- implementation technologies do not redefine Logical Acknowledgements.

Traceability

This requirement supports traceability between Logical Acknowledgements, the interactions they acknowledge, and the resulting operational outcomes.

Related requirement identifiers:

- [P2-REQ-16-5-007](#)
- [P2-REQ-16-7-006](#)
- [P2-REQ-16-7-007](#)

Related source section:

- [16.5 Logical Information Requirements](#)

Status

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