

# P2-REQ-16-5-005

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## Statement

A [Logical Message](#) SHALL represent a [Logical Data Structure Instance](#) exchanged through a [Logical Communication Endpoint](#).

## Source

Part 2, Section 16.5: Logical Information Requirements.

## Rationale

Logical Messages represent the primary means by which Logical Nodes exchange information. Defining a Logical Message as a Logical Data Structure Instance exchanged through a Logical Communication Endpoint preserves a clear separation between information, communication, and implementation technologies.

## Applies To

This requirement applies to the Logical Information Model.

It applies specifically to:

- Logical Messages;
- Logical Data Structure Instances;
- Logical Communication Endpoints; and
- Logical Interaction Patterns.

## Verification

Verification SHALL confirm that each Logical Message represents a Logical Data Structure Instance exchanged through a Logical Communication Endpoint.

Verification activities should include review checks confirming that:

- Logical Messages are represented as Logical Data Structure Instances;
- Logical Messages are exchanged through Logical Communication Endpoints;
- Logical Messages remain platform independent; and

- implementation technologies do not redefine Logical Messages.

## Traceability

This requirement supports traceability between Logical Messages, Logical Data Structure Instances, Logical Communication Endpoints, and Logical Interaction Patterns.

Related requirement identifiers:

- [p2-req-16-4-003](#)
- [p2-req-16-5-004](#)
- [p2-req-16-5-006](#)

Related source section:

- [16.5 Logical Information Requirements](#)

## Status

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