

P2-REQ-16-5-006

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Statement

A [Logical Event](#) SHALL represent a [Logical Data Structure Instance](#) reporting an occurrence, observation, state change, decision, or result.

Source

Part 2, Section 16.5: Logical Information Requirements.

Rationale

Logical Events communicate that something has occurred within the architecture. They provide a consistent, platform-independent representation of observations, state changes, decisions, and results while remaining independent of event-processing technologies and messaging infrastructures.

Applies To

This requirement applies to the Logical Information Model.

It applies specifically to:

- Logical Events;
- Logical Data Structure Instances;
- Logical Interaction Patterns; and
- Domain Logical Profiles.

Verification

Verification SHALL confirm that each Logical Event represents a Logical Data Structure Instance reporting an occurrence, observation, state change, decision, or result.

Verification activities should include review checks confirming that:

- Logical Events are explicitly identified;
- each event reports a defined occurrence or result;
- Logical Events remain platform independent; and
- implementation technologies do not redefine Logical Events.

Traceability

This requirement supports traceability between Logical Events, the occurrences they report, and the Logical Interaction Patterns that exchange them.

Related requirement identifiers:

- [p2-req-16-5-002](#)
- [p2-req-16-5-005](#)
- [p2-req-16-7-003](#)

Related source section:

- [16.5 Logical Information Requirements](#)

Status

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