

P2-REQ-16-5-001

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Statement

The Logical Architecture / PIM SHALL define [Logical Data Structure Definition](#) and [Logical Data Structure Instance](#).

Source

Part 2, Section 16.5: Logical Information Requirements.

Rationale

The Logical Information Model requires both Logical Data Structure Definitions and Logical Data Structure Instances to distinguish reusable information definitions from their populated occurrences. This distinction supports platform-independent modelling, governance, interoperability, validation, traceability, and implementation mapping.

Without these concepts, the Logical Architecture could not consistently distinguish information definitions from the information exchanged among Logical Nodes.

Applies To

This requirement applies to the Logical Information Model.

It applies specifically to:

- Logical Data Structure Definitions;
- Logical Data Structure Instances;
- Logical Information Model; and
- Domain Logical Profiles.

Verification

Verification SHALL confirm that the Logical Architecture / PIM defines both Logical Data Structure Definitions and Logical Data Structure Instances.

Verification activities should include review checks confirming that:

- Logical Data Structure Definitions are explicitly defined;
- Logical Data Structure Instances are explicitly defined;
- the distinction between definitions and instances is maintained; and
- both concepts remain platform independent.

Traceability

This requirement supports traceability between logical information definitions, logical information instances, and the information exchanged among Logical Nodes.

Related requirement identifiers:

- [P2-REQ-16-5-002](#)
- [P2-REQ-16-5-003](#)
- [P2-REQ-16-5-004](#)

Related source section:

- [16.5 Logical Information Requirements](#)

Status

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