

P2-REQ-16-8-005

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Statement

[Logical Compatibility](#) SHALL identify whether logical elements work together without loss of meaning, structure, [Traceability](#), governance, or [Evidence](#) expectations.

Source

Part 2, Section 16.8: Logical Governance Requirements.

Rationale

Logical Compatibility enables independently developed logical elements to interoperate while preserving their intended meaning and governance characteristics. Defining compatibility at the logical level supports architectural evolution without allowing implementation choices to redefine logical semantics.

Applies To

This requirement applies to Logical Compatibility.

It applies specifically to:

- Logical definitions;
- Logical relationships;
- Domain Logical Profiles;
- Implementation Profiles; and
- Logical Governance Model.

Verification

Verification SHALL confirm that Logical Compatibility identifies whether logical elements work together without loss of meaning, structure, Traceability, governance, or Evidence expectations.

Verification activities should include review checks confirming that:

- compatibility criteria are explicitly defined;
- logical meaning is preserved;

- governance expectations remain intact; and
- compatibility remains independent of implementation technologies.

Traceability

This requirement supports traceability between logically compatible elements and the governance rules that preserve their meaning.

Related requirement identifiers:

- [p2-req-16-8-002](#)
- [p2-req-16-8-006](#)
- [p2-req-16-9-003](#)

Related source section:

- [16.8 Logical Governance Requirements](#)

Status

Draft

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Last update: **2026/07/11 12:57**

