

P1-REQ-13-9-005

[Return to Part 1 Requirements](#)

Statement

The [Logical Architecture / PIM](#) SHALL NOT bind logical elements to [DDS](#), [IDL](#), [Python](#), [Kubernetes](#), [K3s](#), [Docker](#), [RTI Connex DDS](#), [Crucible](#), or other implementation-specific mechanisms.

Source

Part 1, Section 13.9: Relationship to Logical Architecture / PIM Requirements.

Rationale

DDS, IDL, Python, Kubernetes, K3s, Docker, RTI Connex DDS, Crucible, and similar mechanisms belong to implementation or deployment concerns. The Logical Architecture / PIM remains independent of these mechanisms so that later implementation profiles select and map technologies without changing logical meaning.

This requirement prevents implementation selections from entering the Logical Architecture / PIM as logical definitions.

Applies To

This requirement applies to Logical Architecture / PIM elements, relationships, behaviours, and constraints.

It applies specifically to avoiding binding to:

- DDS
- IDL
- Python
- Kubernetes
- K3s
- Docker
- RTI Connex DDS
- Crucible
- Other implementation-specific mechanisms

Verification

Verification SHALL confirm that the Logical Architecture / PIM does not bind logical elements to DDS, IDL, Python, Kubernetes, K3s, Docker, RTI Connex DDS, Crucible, or other implementation-specific mechanisms.

Verification activities include review checks confirming that:

- Logical elements avoid implementation-specific bindings
- PIM elements avoid platform-specific technology dependencies
- Implementation technologies appear only in implementation profiles
- Technology mappings preserve logical meaning without redefining it

Traceability

Related source section:

- [13.9 Relationship to Logical Architecture / PIM Requirements](#)

Related requirement identifiers:

- [p1-req-13-9-004](#)
- [p1-req-13-2-003](#)
- [p1-req-13-5-008](#)
- [p1-req-13-7-003](#)

Status

Draft

© 2026 Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

From:
<https://wiki.didosolutions.com/> - **Dido Solutions, Inc Wiki**

Permanent link:
https://wiki.didosolutions.com/dido/99_annexes/annex-d-requirements/part-01/p1-req-13-9-005/start?rev=1783799865

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

