

P4-REQ-21-13-003

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Statement

Implementation governance SHALL define implementation versioning.

Source

Part 4, Section 21.13: Implementation Governance Requirements.

Rationale

Implementation versioning allows reviewers to determine which versions of source files, generated artifacts, mappings, configuration, scripts, and handbook rules belong to a particular Phase 0 baseline.

Versioning also supports compatibility review among DDS Topics, IDL structures, generated types, QoS profiles, and implementation participants.

Applies To

This requirement applies to:

- source files;
- IDL structures and generated types;
- DDS Topic mappings;
- QoS profiles;
- configuration artifacts; and
- scripts and handbook revisions.

Verification

Verification SHALL confirm that implementation governance defines implementation versioning.

Verification activities should include review checks confirming that:

- governed artifact versions are identifiable;
- baseline versions can be determined;
- version relationships among dependent artifacts are reviewable; and

- version changes follow implementation governance.

Traceability

This requirement establishes version control for artifacts belonging to the Phase 0 implementation baseline.

Related requirement identifiers:

- [P4-REQ-21-13-004](#)
- [P4-REQ-21-13-005](#)

Related source section:

- [21.13 Implementation Governance Requirements](#)

Status

Draft

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