

P4-REQ-21-7-004

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Statement

The Phase 0 Implementation Profile / PSM SHALL define Health and Observability Plane realization for Node status, lifecycle state, warning, degradation, failure, recovery, and operational condition reporting.

Source

Part 4, Section 21.7: Runtime Plane Realization Requirements.

Rationale

The Health and Observability Plane provides the implementation information needed to understand operational condition and lifecycle behavior.

Defining this realization ensures that Phase 0 participants expose sufficient status, warning, degradation, failure, and recovery information for later observation, testability, troubleshooting, and evidence planning.

Applies To

This requirement applies to:

- Node status reporting;
- lifecycle-state reporting;
- warning and degradation reporting;
- failure and recovery reporting;
- operational condition reporting; and
- applicable logging and status Topics.

Verification

Verification SHALL confirm that the Phase 0 Implementation Profile / PSM defines a Health and Observability Plane realization.

Verification activities should include review checks confirming that:

- Node status is reportable;
- lifecycle changes are observable;
- warnings and degradation are reportable;
- failures and recovery are reportable; and
- Health and Observability concerns remain distinct from other Runtime Plane concerns.

Traceability

This requirement establishes the Phase 0 realization of the FX Logical Health and Observability Plane.

Related requirement identifiers:

- [P4-REQ-21-7-001](#)
- [P4-REQ-21-7-007](#)
- [P4-REQ-21-7-008](#)

Related source section:

- [21.7 Runtime Plane Realization Requirements](#)

Status

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