

# P4-REQ-21-12-009

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## Statement

Phase 0 SHALL include a prerequisite-checking script or equivalent controlled procedure.

## Source

Part 4, Section 21.12: Script and Execution Requirements.

## Rationale

Generation, build preparation, and execution depend on a valid environment containing required tools, directories, dependencies, configuration, and repository conventions.

A prerequisite check prevents downstream procedures from treating an incomplete or incompatible environment as a valid Phase 0 implementation baseline.

## Applies To

This requirement applies to:

- Phase 0 development environments;
- required tooling;
- repository structure;
- DDS and IDL tooling;
- Python dependencies; and
- applicable configuration and environment variables.

## Verification

Verification SHALL confirm that Phase 0 includes a prerequisite-checking script or equivalent controlled procedure.

Verification activities should include review checks confirming that:

- required tools are checked;
- required repository locations are checked;
- applicable configuration is checked;

- required runtime dependencies are checked; and
- failed prerequisites prevent uncontrolled downstream execution.

## Traceability

This requirement establishes the controlled environment-validation step preceding applicable Phase 0 generation and execution activities.

Related requirement identifiers:

- [P4-REQ-21-12-001](#)
- [P4-REQ-21-12-003](#)
- [P4-REQ-21-12-010](#)

Related source section:

- [21.12 Script and Execution Requirements](#)

## Status

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Last update: **2026/08/07 14:31**

