

P4-REQ-21-12-007

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Statement

Each approved script SHALL identify its error-handling behavior.

Source

Part 4, Section 21.12: Script and Execution Requirements.

Rationale

Scripts that fail silently can leave generated artifacts, repository state, runtime participants, or configuration in an ambiguous or invalid condition.

Explicit error-handling behavior ensures that failures are reported, appropriate exit status is returned where applicable, and partial operations are handled according to approved implementation rules.

Applies To

This requirement applies to:

- approved scripts;
- generation failures;
- prerequisite failures;
- execution failures;
- cleanup failures; and
- repository-state errors.

Verification

Verification SHALL confirm that each approved script identifies its error-handling behavior.

Verification activities should include review checks confirming that:

- failure conditions are identified;
- failures are reported;
- appropriate exit status is returned where applicable;
- ambiguous partial states are avoided or reported; and

- error handling follows the Developer Handbook.

Traceability

This requirement connects script failure handling to the Phase 0 exception-handling and repository-governance conventions.

Related requirement identifiers:

- [P4-REQ-21-12-006](#)
- [P4-REQ-21-11-007](#)
- [P4-REQ-21-12-011](#)

Related source section:

- [21.12 Script and Execution Requirements](#)

Status

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