

P4-REQ-21-8-008

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Statement

Each interaction realization SHALL identify the required logging and exception-handling behavior.

Source

Part 4, Section 21.8: Interaction Pattern Realization Requirements.

Rationale

Interaction execution must expose sufficient operational information to make successful processing, warnings, degradation, failures, and recovery behavior reviewable.

Defining logging and exception-handling behavior ensures that important processing conditions are not silently hidden and supports later observation and evidence planning.

Applies To

This requirement applies to:

- interaction realizations;
- logging behavior;
- exception handling;
- processing outcomes; and
- participating implementation artifacts.

Verification

Verification SHALL confirm that each interaction realization identifies its required logging and exception-handling behavior.

Verification activities should include review checks confirming that:

- required processing events are logged;
- failures are not silently suppressed;
- exceptions follow approved handling patterns;
- applicable warnings and recovery actions are recorded; and

- behavior conforms to the Developer Handbook.

Traceability

This requirement connects Phase 0 interaction realizations to the logging and exception-handling conventions defined by Part 4.

Related requirement identifiers:

- [P4-REQ-21-8-007](#)
- [P4-REQ-21-8-009](#)
- [P4-REQ-21-4-008](#)

Related source section:

- [21.8 Interaction Pattern Realization Requirements](#)

Status

Draft

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Last update: **2026/08/06 16:20**

