

Appendix R - Deterministic

Evidence and Governance

Methodology

PURPOSE

This appendix describes how Legacy Lens produces deterministic evidence and issues governance decisions without asserting runtime behavior or compliance.

DETERMINISTIC OPERATION

Legacy Lens executes offline and deterministically. Identical inputs and configuration produce identical outputs, including cryptographic hashes.

EVIDENCE METHODOLOGY

Evidence is derived exclusively from source-level artifacts and anchored to file, line, snippet, and hash.

Evidence is immutable once recorded.

GUARANTEE MODEL

A guarantee is asserted only when it can be proven from source without assumption. When proof is not possible, the absence of guarantee is recorded explicitly.

OPAQUE BOUNDARIES

Artifacts whose behavior is runtime-defined (e.g., transaction managers, assembler routines) are treated as opaque boundaries. No semantic inference is performed.

GOVERNANCE DECISIONS

Decisions are issued only under declared governance context and may be refused when provability collapses.

Refusal to decide is a valid governance outcome.

SCOPE AND EXCLUSIONS

Scope exclusions are explicitly recorded. Excluded artifacts remain unapproved, and residual risk is stated.