

AI Audit Evidence Framework

A framework defining the evidence needed to audit production AI systems, autonomous agents, and GenAI workflows.

Use this asset to assess readiness, start a governance conversation, and identify candidates for a 6-week Aethryx design partner pilot.

Primary audience: Internal audit, compliance, risk, and model governance teams

What AI audit evidence should prove

AI audit evidence must prove not only that policies exist, but that controls operated when the AI system made or supported decisions. Evidence should be captured as part of runtime execution.

Evidence framework

Evidence type	Purpose	Example artifact
Inventory evidence	Show which AI systems exist and who owns them.	AI registry, use case record, owner map.
Risk evidence	Show classification and review rationale.	Risk tier score and approval workflow.
Control evidence	Show policy enforcement during execution.	Allow/block/redact/escalate decision.
Decision evidence	Show what happened in each AI interaction.	Prompt, context, output, tool call, final action.
Oversight evidence	Show human review and accountability.	Reviewer decision, timestamp, comment.
Monitoring evidence	Show ongoing control health.	Alerts, incidents, remediation records.

Audit readiness checklist

- Evidence is generated automatically, not manually assembled at audit time.
- Each control action has an owner, timestamp, decision, and rationale.
- Evidence can be mapped to frameworks such as MAS FEAT, NIST AI RMF, ISO 42001, AI Verify, and EU AI Act.
- High-risk exceptions are reviewable by compliance, risk, and internal audit.

Readiness Call CTA

Ready to assess your organization's AI governance maturity?

Book a 30-minute Aethryx AI Governance Readiness Call. We will help identify runtime AI risks, governance gaps, audit evidence requirements, and potential controls for your AI systems.

Recommended next step	Outcome
30-minute readiness call	Confirm priority AI systems, risk areas, and governance gaps.
6-week design partner pilot	Map controls, instrument evidence, and validate runtime governance workflows.
Executive debrief	Provide a concise risk and control roadmap for risk, technology, and audit leaders.