

# NIST AI RMF to Runtime Controls Mapping

Connect NIST AI RMF Govern, Map, Measure, and Manage activities to runtime monitoring, assurance workflows, and audit evidence.

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

**Primary audience:** US-facing enterprises, cloud, security, and AI platform buyers

# Operationalizing NIST AI RMF

NIST AI RMF provides a strong risk management vocabulary. Aethryx helps convert that vocabulary into operational controls that run across AI applications and agent workflows.

## RMF to runtime control map

RMF function	Runtime governance interpretation	Aethryx evidence
Govern	Define ownership, policies, risk appetite, and escalation paths.	Policy register, owner map, exception record.
Map	Identify AI context, users, impact, data, and dependencies.	System inventory, workflow map, risk tier.
Measure	Evaluate risks, quality, grounding, bias, safety, and security.	Test results, telemetry, risk scores.
Manage	Act on risks through approvals, blocks, remediation, and reporting.	Control action, incident log, governance report.

## Minimum viable implementation

- Instrument runtime telemetry for the top AI workflows.
- Define 5-10 risk signals that matter to the business.
- Route high-risk actions to approval or block workflows.
- Report recurring issues to governance committees.

# 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.