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AI Security Assessment Report Example Organization

SAMPLE REPORT

FICTIONAL ORGANIZATION DATA

Fictional assessment date: June 18, 2026

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Executive Overview

Overall AI Security Score: 68/100

Maturity Level: Defined

Example Organization demonstrates emerging governance discipline and measurable control coverage. Priority risks remain in incident readiness, model lifecycle controls, and third-party oversight. Focused remediation over the next two quarters can materially reduce operational and regulatory exposure.

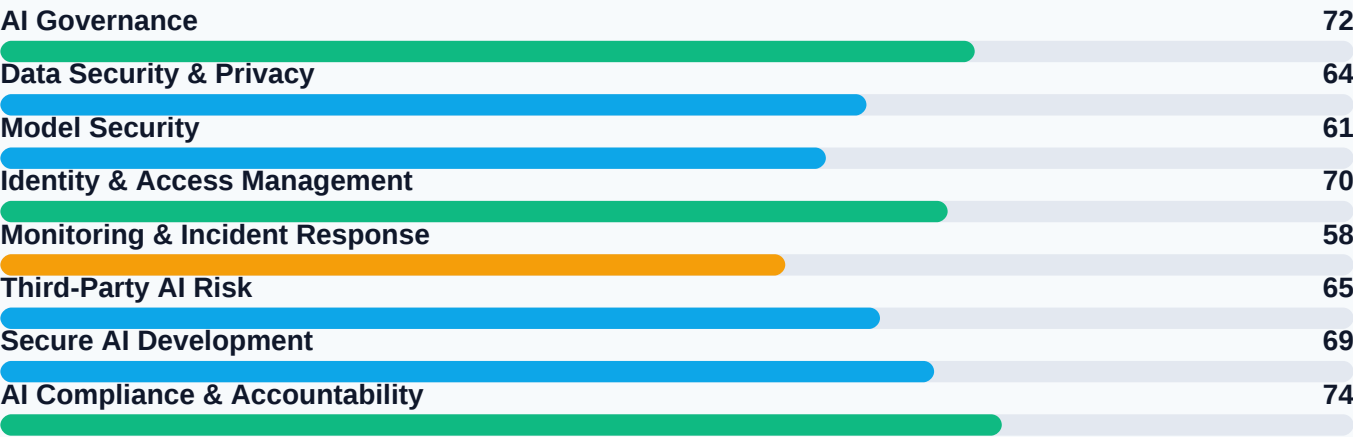
Top Strengths

- 1. Executive awareness of AI risk and governance ownership
- 2. Early policy alignment with compliance obligations
- 3. Solid role-based access controls for core platforms

Priority Improvement Areas

- 1. Build complete AI asset and model inventory coverage
- 2. Standardize AI incident response and escalation playbooks
- 3. Enforce model approval governance and logging consistency

Domain Scores



Domain	Score	Interpretation
AI Governance	72	Stronger
Data Security & Privacy	64	Moderate
Model Security	61	Moderate
Identity & Access Management	70	Stronger
Monitoring & Incident Response	58	Needs attention
Third-Party AI Risk	65	Moderate
Secure AI Development	69	Moderate
AI Compliance & Accountability	74	Stronger

Key Findings

1. Incomplete AI asset inventory (High)

Affected domain: AI Governance

Observation: Inventories do not consistently include prototypes, shadow models, and externally hosted AI services.

Business impact: Unknown assets increase exposure to unmanaged data flows and unreviewed model behavior.

Recommendation: Implement a unified AI asset registry with mandatory owner, data class, and lifecycle status fields.

2. Inconsistent access reviews (High)

Affected domain: Identity & Access Management

Observation: Periodic access certification is performed unevenly across AI tooling and service accounts.

Business impact: Over-privileged accounts and stale entitlements raise insider and misuse risk.

Recommendation: Enforce quarterly AI access recertification with automated revocation for exceptions.

3. Limited AI-specific incident playbooks (High)

Affected domain: Monitoring & Incident Response

Observation: Current response plans focus on traditional cyber events and do not define model misuse scenarios.

Business impact: Escalation delays during AI incidents increase operational disruption and regulatory risk.

Recommendation: Create AI incident playbooks for prompt abuse, model drift, data leakage, and output harm.

Key Findings (Continued)

- 4. Third-party model risk gaps (Medium)**

Affected domain: Third-Party AI Risk | Observation: Vendor due diligence lacks standardized scoring for model transparency and security attestations.

Business impact: Dependency risk can accumulate without clear contract and assurance controls.

Recommendation: Adopt a third-party AI risk questionnaire and minimum evidence standards before onboarding.
- 5. Insufficient prompt and output logging (Medium)**

Affected domain: Data Security & Privacy | Observation: Prompt and output records are fragmented across teams and retention settings vary.

Business impact: Investigation quality and compliance reporting are weakened by incomplete traceability.

Recommendation: Centralize prompt/output telemetry with policy-based retention and integrity controls.
- 6. Fragmented model approval governance (Medium)**

Affected domain: Model Security | Observation: Model promotion criteria and sign-off records are inconsistent between engineering squads.

Business impact: Uncontrolled releases may introduce biased, vulnerable, or non-compliant model behavior.

Recommendation: Establish a gated model approval board with required security and compliance checkpoints.

Risk Register

Risk ID	Risk	Likelihood	Impact	Rating	Recommended treatment
R-01	Untracked AI systems	High	High	Critical	Asset registry and owner mapping
R-02	Privilege creep in AI tools	Medium	High	High	Quarterly access recertification
R-03	AI incident response delay	Medium	High	High	AI-specific playbooks and drills
R-04	Third-party model opacity	Medium	Medium	Medium	Vendor risk scoring and controls
R-05	Insufficient telemetry retention	Medium	Medium	Medium	Centralized prompt/output logging
R-06	Weak model approval controls	Low	High	Medium	Approval board and release gates

Recommendations

Immediate: 0-30 days

- Launch AI asset inventory remediation sprint and assign accountable owners.
- Approve mandatory AI access recertification workflow for privileged roles.
- Define minimum AI incident escalation matrix and on-call coverage.

Near term: 31-90 days

- Standardize third-party model onboarding checks and evidence templates.
- Deploy centralized prompt/output logging with retention policy controls.
- Introduce baseline model risk assessment before production promotion.

Medium term: 3-6 months

- Operationalize model approval governance board and documented criteria.
- Integrate AI control testing into internal audit and compliance reviews.
- Build role-specific AI risk training for security, engineering, and legal.

Strategic: 6-12 months

- Automate policy-to-control mapping and continuous AI compliance tracking.
- Expand benchmark reporting across business units with target score thresholds.
- Embed AI risk KPIs into executive governance and quarterly planning cycles.

12-Month Roadmap

Initiative	Priority	Target period	Owner role	Expected outcome
AI asset registry completion	High	Q1	Security Architecture Lead	Full asset visibility and ownership
AI access recertification program	High	Q1-Q2	IAM Lead	Reduced unauthorized access risk
AI incident playbook rollout	High	Q2	SOC Manager	Faster containment and response
Third-party AI risk framework	Medium	Q2-Q3	Vendor Risk Manager	Safer model procurement decisions
Model approval governance board	Medium	Q3	AI Governance Office	Consistent release controls
Continuous compliance dashboard	Medium	Q4	GRC Director	Improved audit readiness

Benchmark (Illustrative Sample Values)

Example Organization score: 68/100

Illustrative peer median: 62/100

Target maturity score: 78/100

Strongest domain: AI Compliance & Accountability (74)

Weakest domain: Monitoring & Incident Response (58)

Methodology

Scoring scale: 0-100 where higher values indicate stronger maturity and control effectiveness.

Maturity levels: Initial, Developing, Defined, Managed, Optimized.

Domain weighting: Balanced weighting across eight AI security domains with risk-adjusted prioritization.

Evidence basis: Questionnaire responses, documented controls, and workflow maturity indicators.

Sample limitation: This report is fully fictional and intended to illustrate structure and output only.

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