

# 100% Pass Quiz 2026 ISACA Latest AAISM: Valid ISACA Advanced in AI Security Management (AAISM) Exam Test Voucher



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## ISACA AAISM Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• <b>AI Risk Management:</b> This section of the exam measures the skills of AI Risk Managers and covers assessing enterprise threats, vulnerabilities, and supply chain risk associated with AI adoption, including risk treatment plans and vendor oversight.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• <b>AI Technologies and Controls:</b> This section of the exam measures the expertise of AI Security Architects and assesses knowledge in designing secure AI architecture and controls. It addresses privacy, ethical, and trust concerns, data management controls, monitoring mechanisms, and security control implementation tailored to AI systems.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• <b>AI Governance and Program Management:</b> This section of the exam measures the abilities of AI Security Governance Professionals and focuses on advising stakeholders in implementing AI security through governance frameworks, policy creation, data lifecycle management, program development, and incident response protocols.</li></ul>

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### ISACA Advanced in AI Security Management (AAISM) Exam Sample Questions (Q152-Q157):

#### NEW QUESTION # 152

The PRIMARY ethical concern of generative AI is that it may:

- A. Produce unexpected data that could lead to bias
- **B. Cause information integrity issues**
- C. Cause information to become unavailable
- D. Breach the confidentiality of information

**Answer: B**

Explanation:

AAISM materials emphasize that the primary ethical concern with generative AI is the risk to information integrity. Generative models can create content that appears authentic but is fabricated, misleading, or manipulated. This undermines trust in information ecosystems and can have wide-reaching social, legal, and organizational impacts. While confidentiality breaches and bias are concerns, they are not the central ethical issue inherent to generative models. Availability is less relevant in this context. The most pressing concern is that generative AI may compromise the integrity of information.

References:

AAISM Study Guide - AI Risk Management (Ethical Risks of Generative AI) ISACA AI Security Management - Integrity Concerns in Generative Systems

#### NEW QUESTION # 153

An organization is implementing AI agent development across multiple engineering teams. Which of the following is the MOST important focus of AI-specific security training for developers?

- A. API abuse, data leakage, and third-party plug-in risk
- B. Dataset bias, explainability, and fairness in model decisions
- **C. Prompt injection, agent memory control, and insecure tool execution**
- D. Output moderation, hallucination handling, and policy alignment

**Answer: C**

Explanation:

For developer-facing, near-term hardening of AI agents, AAISM prioritizes secure agent design and runtime controls against prompt injection, unsafe memory/tool use, and tool-execution compromise. These are primary exploitation paths for agents that read external content, persist memory, and call tools with elevated privileges. Training must center on: guarding tool invocation, constraining memory scope, sanitizing /validating inputs, and isolating high-risk actions. Topics like bias/fairness (B) and policy/hallucinations (C) are important but are governance/assurance concerns; API abuse and plug-in risk (D) matter, yet the core, developer-controlled attack surface for agents is injection and unsafe tool/memory design.

References:\* AI Security Management™ (AAISM) Body of Knowledge: Agent Security-prompt injection defenses, tool execution constraints, memory governance\* AAISM Study Guide: Developer controls for agent frameworks; input validation, sandboxing, scoped permissions, guardrail patterns

#### NEW QUESTION # 154

A post-incident investigation finds that an AI-powered anti-money laundering system inadvertently allowed suspicious transactions

because certain risk signals were disabled to reduce false positives. Which of the following governance failures does this BEST demonstrate?

- A. Insufficient model validation and change control processes
- B. Absence of metrics and dashboard for analysts
- C. Lack of sufficient computing resources for the AI system
- D. Excessive reliance on external consultants for model design

**Answer: A**

Explanation:

AAISM requires formal model change governance: documented justification, risk assessment, validation/verification (V&V), approvals, and post-deployment monitoring when altering features, thresholds, or signals. Disabling risk indicators to reduce false positives without rigorous validation and controlled rollout reflects a failure in model validation and change control, which AAISM treats as a core safeguard against unintended harms and regulatory breaches.

References: AI Security Management™ (AAISM) Body of Knowledge - Model Risk Governance; Change Management & Approvals; Validation/Verification Requirements. AAISM Study Guide - Control Gates for Feature/Threshold Changes; Post-Change Monitoring and Backout Criteria.

### NEW QUESTION # 155

Which of the following is the MOST important consideration when an organization is adopting generative AI for personalized advertising?

- A. Regulatory risk
- B. Fraud risk
- C. Commercial risk
- D. Reputational risk

**Answer: A**

Explanation:

In AI program decisions that process personal data for targeted or personalized advertising, the primary governance obligation is to ensure regulatory compliance with data protection and profiling requirements.

AAISM emphasizes that when AI use cases involve personal data, regulatory risk is paramount because unlawful collection, consent failures, opaque profiling, or non-compliant automated decision-making can trigger enforcement actions, fines, mandated remediation, and restrictions on processing-risks that outweigh commercial or reputational impacts in both likelihood and severity for this use case. AAISM guidance requires upfront legal basis assessment, purpose limitation, data minimization, transparency, user rights enablement, and DPIA/AI impact assessments before deployment, making regulatory conformance the first- order decision criterion for personalized advertising with generative AI.

References:\* AI Security Management (AAISM) Body of Knowledge: AI Governance-Compliance-by- design, lawful basis and purpose limitation for profiling; Impact assessments and consent governance.\* AI Security Management Study Guide: Personal-data use cases, high-risk processing controls, regulatory risk prioritization in AI adoption decisions.

### NEW QUESTION # 156

Which of the following approaches BEST helps to reduce model bias?

- A. Utilizing a more complex model architecture
- B. Increasing the number of labels per instance
- C. Decreasing the frequency of model updates
- D. Ensuring diversity in training data sources

**Answer: D**

Explanation:

AAISM frames bias risk primarily as a data problem. The most impactful mitigation is to ensure diversity and representativeness of training data sources, thereby reducing sampling bias and improving fairness across subpopulations. More labels per instance (A) does not correct coverage gaps; reducing update cadence (B) can entrench existing bias; and higher model complexity (C) may overfit or obscure bias without addressing root causes. Diverse, representative datasets-paired with fairness testing-are the recommended first-line control.

### NEW QUESTION # 157

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