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The ISACA Advanced in AI Security Management (AAISM) Exam (AAISM) certification is a requirement if you want to succeed in the ISACA industry quickly. But after deciding to take the AAISM exam, the next challenge you face is the inability to find genuine AAISM Questions for quick preparation. People who don't study with AAISM real dumps fail the test and lose their precious resources.

## ISACA AAISM Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>AI Governance and Program Management: 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>
Topic 2	<ul style="list-style-type: none"><li>AI Risk Management: 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 3	<ul style="list-style-type: none"><li>AI Technologies and Controls: 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>

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# 2026 AAISM Reliable Test Blueprint - ISACA Advanced in AI Security Management (AAISM) Exam Realistic Certification Exam Dumps Free PDF

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## ISACA Advanced in AI Security Management (AAISM) Exam Sample Questions (Q36-Q41):

### NEW QUESTION # 36

A health services organization is developing a proprietary generative AI chatbot to assist patients with medical devices. Which of the following should be the organization's HIGHEST priority?

- A. Maximizing the amount of training data
- B. Selecting the appropriate training data
- C. Tuning algorithms used in the AI model
- D. Maximizing neural network size

### Answer: B

Explanation:

AAISM prioritizes training data suitability-lawful sourcing, provenance, quality, representativeness, and safety-especially in health-related applications. The correctness and appropriateness of training data determine clinical safety, reduction of harmful outputs, and compliance with data protection/sector obligations. Larger models or more data do not compensate for inappropriate or low-quality datasets; tuning is secondary to ensuring the right data with rigorous curation, labeling quality, and guardrails aligned to patient safety requirements.

References: \* AI Security Management (AAISM) Body of Knowledge: Data Governance & Quality; High- Risk/Health Context Controls; Safety & Harm Minimization\* AAISM Study Guide: Data Provenance & Suitability, Domain-Specific Dataset Controls; Compliance-by-Design for Sensitive Sectors

### NEW QUESTION # 37

An organization is implementing an AI-based credit assessment engine using internal and third-party customer data. Which of the following BEST aligns with data management controls for the AI life cycle?

- A. Encrypted isolation and dynamic access controls on training data pipelines
- B. Documented procedures for data sourcing, lineage tracking, and quality validation
- C. Limitation of model training to structured data from vetted sources to minimize ingestion risk
- D. Use of hashed identifiers to anonymize datasets used for model validation and internal analytics

### Answer: B

Explanation:

AAISM emphasizes that data governance over the full AI life cycle is foundational. The official content describes effective AI data management as including documented procedures for: (1) how data is sourced, (2) how lineage is tracked from origin to model, and (3) how data quality is validated and monitored. This ensures transparency, accountability, and auditability, which are especially critical in regulated areas like credit assessments. While hashing identifiers (B) and encryption/access controls (C) are important privacy and security mechanisms, they are partial controls within a broader governance framework and do not, on their own, establish end-to-end life-cycle management. Limiting training to structured data (D) is a design choice and may reduce risk but is neither sufficient nor required as a best practice. Option A directly reflects AAISM's prescribed governance controls for AI data throughout its life cycle.

References: AI Security Management™ (AAISM) Study Guide - AI Data Governance and Life Cycle Management; Data Lineage and Quality Assurance.

### NEW QUESTION # 38

Which of the following is the GREATEST concern when a vendor enables generative AI features for an organization's critical system?

- A. Bias and ethical practices
- **B. Access to the model**
- C. Security monitoring and alerting
- D. Proposed regulatory enhancements

**Answer: B**

Explanation:

When enabling genAI capabilities in a critical system, AAISM prioritizes controlling access to the model and its interfaces (prompt surfaces, context windows, tools/functions, and connected data) because exposure expands the attack surface for prompt injection, data exfiltration, jailbreaks, and misuse. Monitoring (C) is necessary but detective; ethics and bias (D) are vital but secondary to immediate safety and security of a mission-critical environment; proposed regulations (B) are not an immediate operational risk.

References: AAISM Body of Knowledge: GenAI Security-Access Governance, Interface Hardening, and Prompt Surface Controls; AAISM Study Guide: Critical System Safeguards-Least Privilege, Guardrails, and Abuse Prevention.

#### NEW QUESTION # 39

When evaluating a third-party AI service provider, which master services agreement (MSA) provision is MOST critical for managing security risk?

- A. Guaranteeing unlimited model retraining requests
- B. Restricting query volume thresholds
- C. Sharing real-time log information
- **D. Prohibiting the use of customer data for model training**

**Answer: D**

Explanation:

AAISM emphasizes strong contractual restrictions on how vendors use customer data, especially prohibiting vendors from using customer inputs to train or fine-tune shared models.

This protects against:

- \* data leakage
- \* intellectual property exposure
- \* regulatory violations
- \* shadow training of external models

Log sharing (B) and query limits (D) are operational controls but do not directly prevent data misuse.

Unlimited retraining (A) has no relevance to security.

References: AAISM Study Guide - Vendor Risk Management; Data Usage Restrictions in Contracts.

#### NEW QUESTION # 40

Which of the following is the MOST important course of action when implementing continuous monitoring and reporting for AI-based systems?

- **A. Implement real-time monitoring of key risk indicators (KRIs) for AI systems**
- B. Implement a risk dashboard for visualizing and tracking AI-related risk over time
- C. Establish an automated alert system for threshold breaches in risk metrics
- D. Develop standardized risk reporting templates for different stakeholder groups

**Answer: A**

Explanation:

The AAISM governance framework specifies that the foundation of continuous monitoring is real-time tracking of key risk indicators. This ensures immediate detection of deviations, model drift, and operational anomalies. Automated alerts, dashboards, and reporting templates all support monitoring, but they rely on the presence of accurate, real-time KRI measurement as their source. Without live monitoring, the other controls are reactive rather than proactive. The most important course of action in establishing effective continuous monitoring is therefore real-time KRI tracking.

References:

## NEW QUESTION # 41

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