

Professional AAISM Vce Download & The Best Guide to help you pass AAISM: ISACA Advanced in AI Security Management (AAISM) Exam



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ISACA AAISM Exam Syllabus Topics:

Topic	Details
Topic 1	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.
Topic 2	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.
Topic 3	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.

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ISACA Advanced in AI Security Management (AAISM) Exam Sample Questions (Q30-Q35):

NEW QUESTION # 30

After implementing a third-party generative AI tool, an organization learns about new regulations related to how organizations use AI. Which of the following would be the BEST justification for the organization to decide not to comply?

- A. The cost of noncompliance was not determined
- **B. The risk is within the organization's risk appetite**
- C. The AI tool is widely used within the industry
- D. The AI tool is regularly audited

Answer: B

Explanation:

The AAISM framework clarifies that compliance decisions must always be tied to an organization's risk appetite and tolerance. When new regulations emerge, management may choose not to comply if the associated risk remains within the documented and approved risk appetite, provided that accountability is established and governance structures support this decision. Other options such as widespread industry use, third-party audits, or lack of cost assessment do not justify noncompliance under the governance principles.

The risk appetite framework is the only recognized justification under AI governance principles.

References:

AAISM Study Guide - AI Governance and Program Management

ISACA AI Risk Guidance - Risk Appetite and Compliance Decisions

NEW QUESTION # 31

Which of the following is the MOST important factor to consider when selecting industry frameworks to align organizational AI governance with business objectives?

- **A. Risk appetite**
- B. Risk register
- C. Risk threshold
- D. Risk tolerance

Answer: A

Explanation:

According to AAISM governance principles, the risk appetite of the organization is the most important factor in selecting appropriate frameworks for AI governance. Risk appetite defines the level of risk an organization is willing to accept in pursuit of its objectives, ensuring frameworks are aligned with strategic goals. Risk tolerance and thresholds are operational measures derived from appetite, and the risk register is a documentation tool. The foundational consideration for framework alignment is the organization's risk appetite.

References:

AAISM Exam Content Outline - AI Governance and Program Management (Risk Appetite in Governance Alignment) AI Security Management Study Guide - Framework Selection and Business Strategy

NEW QUESTION # 32

An organization recently introduced a generative AI chatbot that can interact with users and answer their queries. Which of the following would BEST mitigate hallucination risk identified by the risk team?

- A. Training the foundational model on large data sets

- B. Fine-tuning the foundational model
- C. Ensuring model developers have been trained in AI risk
- D. Performing model testing and validation

Answer: B

Explanation:

AAISM highlights fine-tuning foundational models as one of the most effective strategies for reducing hallucination risk. By tailoring the model with domain-specific, curated, and verified datasets, organizations can reduce the frequency of irrelevant or fabricated outputs. Testing and validation help evaluate risks but do not directly minimize hallucinations. Training on larger datasets may improve generalization but does not guarantee accuracy. Developer training in AI risk supports governance but is not a technical control against hallucinations. The best mitigation is fine-tuning to align the chatbot with trusted, context-specific knowledge.

References:

AAISM Study Guide - AI Risk Management (Hallucination and Output Integrity Risks) ISACA AI Security Management - Fine-tuning Generative Models

NEW QUESTION # 33

A financial institution plans to deploy an AI system to provide credit risk assessments for loan applications.

Which of the following should be given the HIGHEST priority in the system's design to ensure ethical decision-making and prevent bias?

- A. Regularly update the model with new customer data to improve prediction accuracy.
- B. Restrict the model's decision-making criteria to objective financial metrics only.
- C. Train the system to provide advisory outputs with final decisions made by human experts.
- D. Integrate a mechanism for customers to appeal decisions directly within the system.

Answer: C

Explanation:

In AI governance frameworks, credit scoring is treated as a high-risk application. For such systems, the highest-priority safeguard is human oversight to ensure fairness, accountability, and prevention of bias in automated decisions.

The AI Security Management™ (AAISM) domain of AI Governance and Program Management emphasizes that high-impact AI systems require explicit governance structures and human accountability. Human-in-the-loop design ensures that final decisions remain the responsibility of human experts rather than being fully automated. This is particularly critical in financial contexts, where biased outputs can affect individuals' access to credit and create compliance risks.

Official ISACA AI governance guidance specifies:

High-risk AI systems must comply with strict requirements, including human oversight, transparency, and fairness.

The purpose of human oversight is to reduce risks to fundamental rights by ensuring humans can intervene or override an automated decision.

Bias controls are strengthened by requiring human review processes that can analyze outputs and prevent unfair discrimination.

Why other options are not the highest priority:

A). Regular updates improve accuracy but do not guarantee fairness or ethical decision-making. Model drift can introduce new bias if not governed properly.

B). Appeals mechanisms are important for accountability, but they operate after harm has occurred.

Governance frameworks emphasize prevention through human oversight in the decision loop.

D). Restricting criteria to "objective metrics" is insufficient, as even objective data can contain hidden proxies for protected attributes.

Bias mitigation requires monitoring, testing, and human oversight, not only feature restriction.

AAISM Domain Alignment:

Domain 1 - AI Governance and Program Management: Ensures accountability, ethical oversight, and governance structures.

Domain 2 - AI Risk Management: Identifies and mitigates risks such as bias, discrimination, and lack of transparency.

Domain 3 - AI Technologies and Controls: Provides the technical enablers for implementing oversight mechanisms and bias detection tools.

References from AAISM and ISACA materials:

AAISM Exam Content Outline - Domain 1: AI Governance and Program Management (roles, responsibilities, oversight).

ISACA AI Governance Guidance (human oversight as mandatory in high-risk AI applications).

Bias and Fairness Controls in AI (human review and intervention as a primary safeguard).

NEW QUESTION # 34

A retail organization implements an AI-driven recommendation system that utilizes customer purchase history. Which of the following

is the BEST way for the organization to ensure privacy and comply with regulatory standards?

- A. Storing customer data indefinitely to ensure the AI model has a complete history
- **B. Maintaining a register of legal and regulatory requirements for privacy**
- C. Establishing a governance committee to oversee AI privacy practices
- D. Conducting quarterly retraining of the AI model to maintain the accuracy of recommendations

Answer: B

Explanation:

According to the AI Security Management™ (AAISM) study framework, compliance with privacy and regulatory standards must begin with a formalized process of identifying, documenting, and maintaining applicable obligations. The guidance explicitly notes that organizations should maintain a comprehensive register of legal and regulatory requirements to ensure accountability and alignment with privacy laws. This register serves as the foundation for all governance, risk, and control practices surrounding AI systems that handle personal data.

Maintaining such a register ensures that the recommendation system operates under the principles of privacy by design and privacy by default. It allows decision-makers and auditors to trace every AI data processing activity back to relevant compliance obligations, thereby demonstrating adherence to laws such as GDPR, CCPA, or other jurisdictional mandates.

Other measures listed in the options contribute to good practice but do not achieve the same direct compliance outcome. Retraining models improves technical accuracy but does not address legal obligations. Oversight committees are valuable but require the documented register as a baseline to oversee effectively. Indefinite storage of customer data contradicts regulatory requirements, particularly the principle of data minimization and storage limitation.

AAISM Domain Alignment:

This requirement falls under Domain 1 - AI Governance and Program Management, which emphasizes organizational accountability, policy creation, and maintaining compliance documentation as part of a structured governance program.

References from AAISM and ISACA materials:

AAISM Exam Content Outline - Domain 1: AI Governance and Program Management
AI Security Management Study Guide - Privacy and Regulatory Compliance Controls
ISACA AI Governance Guidance - Maintaining Registers of Applicable Legal Requirements

NEW QUESTION # 35

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