

# Unmatched AAIA Guide Materials: ISACA Advanced in AI Audit Compose High-praised Exam Braindumps - Exams4sures



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## ISACA AAIA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> <li>• Auditing Tools and Techniques: This section of the exam measures the skills of AI auditors and centers on auditing AI systems using appropriate tools and methods. It includes audit planning and design, sampling methodologies specific to AI, collecting audit evidence, using data analytics for quality assurance, and producing AI audit outputs and reports, including follow-up and quality control measures.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>• AI GOVERNANCE AND RISK: It encompasses understanding different AI models and their life cycles, guiding AI strategy, defining roles and policies, managing AI-related risks, overseeing data privacy and governance, and ensuring adherence to ethical practices, standards, and regulations.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• AI Operations: It covers managing AI-specific data needs—including collection, quality, security, and classification—applying development lifecycle methodologies with privacy and security by design, change and incident management, testing AI solutions, identifying AI-related threats and vulnerabilities, and supervising AI deployments.</li> </ul>

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## ISACA Advanced in AI Audit Sample Questions (Q65-Q70):

### NEW QUESTION # 65

Which of the following BEST ensures that an AI system complies with user data ownership rights under privacy regulations?

- A. Regularly conducting AI system performance testing for accuracy
- B. Enforcing strict data retention policies to limit storage duration
- C. Implementing a transparent data consent management process
- D. Applying data clustering techniques to anonymize data sets

**Answer: C**

### NEW QUESTION # 66

Which of the following should be done FIRST when an attacker exfiltrates sensitive information from an AI model?

- A. Rebuild the AI model using a more secure architecture.
- B. Inform regulators and affected stakeholders of a potential data breach.
- C. Implement rate limiting and query restrictions to reduce exploitation attempts.
- D. Isolate impacted systems until the attack vector is identified.

**Answer: D**

Explanation:

According to the AAIA™ Study Guide, the first action in response to a confirmed or suspected data exfiltration attack should be containment. Isolating impacted systems helps prevent further exploitation while allowing for a secure investigation of the breach source.

"The initial response to any AI-related data breach must prioritize containment of the threat. Immediate isolation of affected systems helps mitigate further damage and supports a controlled forensic analysis." While regulatory notification (D) and architectural remediation (C) are important, they follow containment.

Query limitations (A) reduce future risk but do not address the current attack. Thus, B is the critical first step.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "Ethical and Legal Considerations in AI," Subsection: "AI Security Incident Response and Containment"

### NEW QUESTION # 67

An organization is training a skin cancer recognition model. Photographs collected from which of the following sources would present the GREATEST risk associated with data integrity?

- A. Research facility receiving grants for cancer research
- B. Cohort of dermatologists with signed patient consent forms
- C. Open-source data augmentation files
- D. Social media platform with images from all over the world

**Answer: D**

Explanation:

Images from social media platforms (C) pose the greatest risk to data integrity because:

- \* Images may be heavily filtered or edited
- \* Lighting, scale, and resolution are inconsistent
- \* Metadata is unreliable
- \* Medical diagnosis labels (if any) are unverified
- \* Context is unknown and may include misinformation
- \* Sources cannot be validated or authenticated

AAIA stresses that medical AI systems require high-quality, clinically validated datasets with clear provenance, accuracy, and consent.

Research facilities (A) and dermatologist cohorts (D) provide medically reliable, high-integrity data.

Open-source augmentation files (B) are synthetic and secondary, but still safer than uncontrolled, unlabeled social media images.

References:

AAIA Domain 2: Data Quality, Provenance, Accuracy, and Label Integrity

AAIA Domain 1: Risk Identification in High-Impact AI Systems

### NEW QUESTION # 68

After AI training data has been tested for biases, which of the following is MOST important to check to validate the effectiveness of the testing?

- A. Possible impacts from AI outputs remain within the acceptable risk level
- B. Feedback on data validation is obtained from key stakeholders
- C. AI processes will meet expected service turnaround time
- D. Sensitive information from users is securely masked before input

**Answer: A**

Explanation:

Even after identifying and mitigating bias, organizations must ensure that AI outputs do not create unacceptable risks.

AAIA emphasizes that bias mitigation must result in:

- \* Fair outcomes
- \* Justifiable predictions
- \* No disproportionate harm to any demographic group
- \* Alignment with organizational risk tolerance

Option B reflects this requirement, ensuring that the model's real-world impact aligns with documented risk thresholds.

Option A is supportive but not validation of effectiveness.

Option C is performance-related, not fairness-related.

Option D is privacy-related, not bias-related.

Thus, confirming output impacts against risk tolerance is the most important validation step.

References:

AAIA Domain 5: Ethical AI, Fairness Validation

AAIA Domain 1: Risk Governance and Threshold Assessments

### NEW QUESTION # 69

A healthcare AI tool recommends treatments with high success rates but significant risk. The hospital prioritizes patient safety over innovation. What is the BEST course of action?

- A. Adjust the AI's parameters to align with the hospital's risk tolerance.
- B. Obtain patients' consent for the use of their data by the AI tool.
- C. Use the AI tool only for low-risk situations.
- D. Discontinue using the AI tool and rely solely on doctor expertise.

**Answer: A**

Explanation:

AI systems must align with the organization's risk appetite and ethical principles, especially in healthcare where patient safety is paramount. The BEST action is to adjust the AI's parameters (A) so the recommendations reflect the hospital's conservative risk tolerance, reducing the frequency of high-risk suggestions. AAIA stresses AI governance alignment with organizational risk appetite, treatment guidelines, and ethical priorities.

Option B is overly disruptive and eliminates beneficial AI capabilities. Option C is necessary for privacy but does not address treatment safety. Option D limits utility but doesn't correct underlying alignment issues. The core issue is model alignment with ethical and safety standards, making option A the correct choice.

References:

ISACA, AAIA Exam Content Outline- Domain 5: Ethical Principles in AI (alignment with risk tolerance, safety, beneficence).

### NEW QUESTION # 70

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