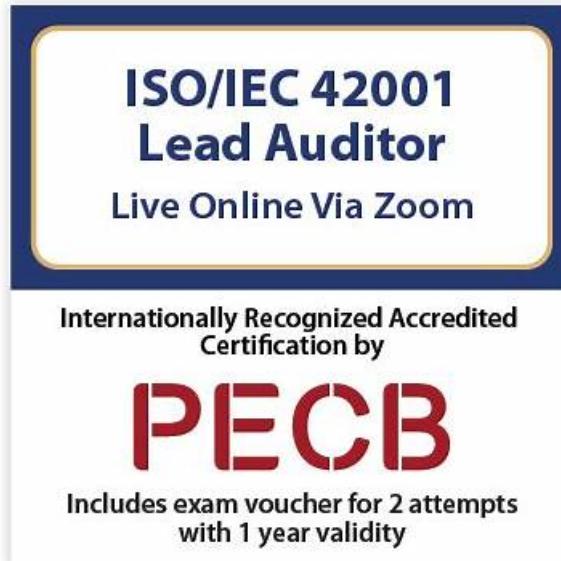


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Auditor Exam Sample Questions (Q166-Q171):

NEW QUESTION # 166

What is one of the key objectives of conducting an audit according to ISO 19011?

- A. Training employees on audit techniques
- B. Imposing penalties on non-compliant organizations
- C. Evaluating the effectiveness of the management system
- D. Issuing certificates of compliance

Answer: C

Explanation:

The primary objective of an audit, as defined in ISO 19011:2018 - Clause 5.1, is to evaluate the extent to which the management system conforms to planned arrangements and is effectively implemented and maintained.

Audits are not meant to issue certificates or impose penalties - they are tools for continual improvement, helping organizations assess the performance and effectiveness of their systems.

This aligns with the purpose of internal audits described in ISO/IEC 42001:2023 - Clause 9.2, which is to verify the effectiveness of the AIMS (Artificial Intelligence Management System).

Reference: ISO 19011:2018 - Clause 5.1 (Objectives and benefits of audits) ISO/IEC 42001:2023 - Clause 9.2.1 (Internal Audit Objectives) PECB Lead Auditor Guide - Domain 3: "Purpose and Scope of Management System Audits"

NEW QUESTION # 167

Scenario 2: OptiFlow is a logistics company located in New Delhi, India. The company has enhanced its operational efficiency and customer service by integrating AI across various domains, including route optimization, inventory management, and customer support. Recognizing the importance of AI in its operations, OptiFlow decided to implement an Artificial Intelligence Management System (AIMS) based on ISO/IEC 42001 to oversee and optimize the use of AI technologies.

To address Clauses 4.1 and 4.2 of the standard, OptiFlow identified and analyzed internal and external issues and needs and expectations of interested parties. During this phase, it identified specific risks and opportunities related to AI deployment, considering the system's domain, application context, intended use, and internal and external environments. Central to this initiative was the establishment and maintenance of AI risk criteria, a foundational step that facilitated comprehensive AI risk assessments, effective risk treatment strategies, and precise evaluations of risk impacts. This implementation aimed to meet AIMS's objectives, minimize adverse effects, and promote continuous improvement. OptiFlow also planned and integrated strategies to address risks and opportunities into AIMS's processes and assessed their effectiveness.

OptiFlow set measurable AI objectives aligned with its AI policy across all organizational levels, ensuring they met applicable requirements and matched the company's vision. The company placed strong emphasis on the monitoring and communication of these objectives, ensuring they were updated annually or as needed to reflect changes in technology, market demands, or internal processes. It also documented the objectives, making them accessible across the company.

To guarantee a structured and consistent AI risk assessment process, OptiFlow emphasized alignment with its AI policy and objectives. The process included ensuring consistency and comparability, identifying, analyzing, and evaluating AI risks.

OptiFlow prioritizes its AIMS by allocating the necessary resources for its comprehensive development and continuous enhancement. The company carefully defines the competencies needed for personnel affecting AI performance, ensuring a high level of expertise and innovation.

OptiFlow also manages effective internal and external communications about its AIMS, aligning with ISO/IEC 42001 requirements by maintaining and controlling all required documented information. This documentation is meticulously identified, described, and updated to ensure its relevance and accessibility.

Through these strategic efforts, OptiFlow upholds a commitment to excellence and leadership in AI management practices.

To comply with Clause 9 of ISO/IEC 42001, the company determined what needs to be monitored and measured in the AIMS. It planned, established, implemented, and maintained an audit program, reviewed the AIMS at planned intervals, documented review results, and initiated a continuous feedback mechanism from all interested parties to identify areas of improvement and innovation within the AIMS.

Which of the following requirements of Clause 6.1.2 AI risk assessment did OptiFlow NOT consider?

- A. Cost minimization
- B. Documentation
- C. AI risk treatment

Answer: A

Explanation:

Clause 6.1.2 of ISO/IEC 42001:2023 addresses AI risk assessment and includes requirements such as:

- * Establishing and applying AI risk assessment criteria
- * Identifying and analyzing risks and opportunities
- * Evaluating AI risks
- * Planning for AI risk treatment
- * Documenting the process and outcomes to ensure traceability and repeatability In the scenario, OptiFlow:
- * Established and maintained AI risk criteria.
- * Performed identification, analysis, and evaluation of risks.
- * Integrated AI risk treatment into its AIMS.
- * Maintained documentation of objectives and internal communications as per the standard.

However, there is no reference in the scenario to cost minimization, either as a guiding factor or an outcome of the AI risk assessment process. While cost control may be a strategic or operational consideration for a business, it is not a core requirement under Clause 6.1.2 and is clearly not discussed in OptiFlow's implementation activities in the scenario.

Therefore, "Cost minimization" is the element NOT considered, making it the correct answer.

Reference:

- * ISO/IEC 42001:2023, Clause 6.1.2 - AI risk assessment
- * ISO/IEC 42001:2023, Annex A - Guidance on AI risk identification and evaluation
- * PEBC ISO/IEC 42001 Lead Auditor Guide, Section 6.1.2 - Interpretation of AI risk-based requirements

NEW QUESTION # 168

Which control in Annex A emphasizes the importance of security measures in AI system operations?

- A. Customer Feedback
- B. Performance Metrics
- C. Financial Auditing
- D. Access Control

Answer: D

Explanation:

Annex A of ISO/IEC 42001:2023 provides reference controls to support operational and ethical AI governance. The control that emphasizes security in AI system operations is A.8.2.2 - Access Control: This control requires that only authorized individuals or systems can access, modify, or influence the AI system, ensuring data integrity and protection of critical operations.

Access control is a foundational security control used to prevent unauthorized interference or manipulation of AI behavior or data pipelines.

Reference: ISO/IEC 42001:2023 - Annex A, Control A.8.2.2 (Access Control) PEBC Lead Auditor Guide - Domain 2: "Security and Trust Controls for AI"

NEW QUESTION # 169

Scenario 8 (continued):

Scenario 8:

Scenario 8: InnovateSoft, headquartered in Berlin, Germany, is a software development company known for its innovative solutions and commitment to excellence. It specializes in custom software solutions, development, design, testing, maintenance, and consulting, covering both mobile apps and web development.

Recently, the company underwent an audit to evaluate the effectiveness and compliance of its artificial intelligence management system AIMS against ISO/IEC 42001.

The audit team engaged with the auditee to discuss their findings and observations during the audit's final phases. After evaluating the evidence, the audit team presented their audit findings to InnovateSoft, highlighting the identified nonconformities.

Upon receiving the audit findings, InnovateSoft accepted the conclusions but expressed concerns about some findings inaccurately reflecting the efficiency of their software development processes. In response, the company provided new evidence and additional information to alter the audit conclusions for a couple of minor nonconformities identified. After thorough consideration, the audit team leader clarified that the new evidence did not significantly alter the core conclusions drawn for the nonconformities.

Therefore, the certification body issued a certification recommendation conditional upon the filing of corrective action plans without a prior visit.

InnovateSoft accepted the decision of the certification body. The top management of the company also sought suggestions from the audit team on resolving the identified nonconformities. The audit team leader offered solutions to address the issues, fostering a collaborative effort between the auditors and InnovateSoft. During the closing meeting, the audit team covered key topics to

enhance transparency. They clarified to InnovateSoft that the audit evidence was based on a sample, acknowledging the inherent uncertainty. The method and time frame of reporting and grading findings were discussed to provide a structured overview of nonconformities. The certification body's process for handling nonconformities, including potential consequences, guided InnovateSoft on corrective actions. The time frame for presenting a plan for correction was communicated, emphasizing urgency. Insights into the certification body's post-audit activities were provided, ensuring ongoing support.

Lastly, the audit team briefed InnovateSoft on complaint and appeal handling.

InnovateSoft submitted the action plans for each nonconformity separately, describing only the detected issues and the corrective actions planned to address the detected nonconformities. However, the submission slightly exceeded the specified period of 45 days set by the certification body, arriving three days later.

InnovateSoft explained this by attributing the delay to unexpected challenges encountered during the compilation of the action plans. InnovateSoft's corrective action plans described the detected issues and intended corrections but did not include the root causes.

Question:

Were InnovateSoft's action plans drafted appropriately?

- A. No, because a general action plan was not submitted encompassing all nonconformities
- **B. No, because they did not include the root causes of the detected nonconformities**
- C. Yes, the action plans were drafted appropriately

Answer: B

Explanation:

A complete corrective action plan must include:

- * Description of the nonconformity
- * Root cause analysis
- * Correction
- * Corrective action

* ISO/IEC 17021-1:2015 Clause 9.4.9.2 explicitly states: "The client shall analyze the cause of the nonconformity and describe the specific correction and corrective action taken."

* The absence of root cause analysis renders the plan non-compliant.

Reference: ISO/IEC 17021-1:2015 Clause 9.4.9.2; Lead Auditor Training Manual - Module 9 ("Corrective Action Management").

NEW QUESTION # 170

A healthcare provider wants to develop a system that can analyze medical images, such as X-rays and MRIs, to assist doctors in diagnosing diseases. Which AI concept is most relevant for this application?

- A. Machine Learning (ML)
- **B. Computer Vision**
- C. Deep Learning (DL)
- D. Natural Language Processing (NLP)

Answer: B

Explanation:

The AI concept most relevant for analyzing visual data like X-rays and MRIs is Computer Vision. This field focuses on enabling machines to understand and interpret image and video data.

As outlined in the PECB Lead Auditor Guide - Domain 1, Computer Vision is specifically applied in medical imaging, object detection, facial recognition, and other tasks requiring interpretation of visual content.

While Deep Learning may be used as an underlying technique (e.g., convolutional neural networks), Computer Vision is the broader and correct domain applicable to the question.

NEW QUESTION # 171

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