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### PECB ISO/IEC 27002 Foundation Exam Sample Questions (Q30-Q35):

#### NEW QUESTION # 30

What should an organization do if it detects a vulnerability that does not have a corresponding threat?

- A. Recognize the vulnerability
- **B. Both A and C**
- C. Monitor the vulnerability for changes

**Answer: B**

Explanation:

A vulnerability with no currently identified corresponding threat should still be recognized and monitored. A vulnerability is a weakness that could be exploited, but risk usually depends on the relationship between assets, threats, vulnerabilities, likelihood, and consequences. When no active or relevant threat is identified, immediate treatment may not be proportionate. However, ignoring the vulnerability would be inconsistent with ISO/IEC 27002's risk-aware approach. Threat conditions change. A weakness that appears low priority today may become exploitable after a new attack technique, system exposure, business change, supplier change, or threat actor capability emerges. Recognizing the vulnerability ensures it is recorded and available for future assessment. Monitoring it ensures the organization detects changes in exploitability, exposure, or threat relevance. ISO/IEC 27002 supports this through threat intelligence and management of technical vulnerabilities, both of which require organizations to remain alert to changes in the threat and vulnerability landscape. Therefore, the correct answer is both recognizing and monitoring the vulnerability. References /Chapters: ISO/IEC 27002:2022, Control 5.7 Threat intelligence; Control 8.8 Management of technical vulnerabilities; Control 5.36 Compliance with policies, rules and standards for information security.

### NEW QUESTION # 31

During which phase of the Plan-Do-Check-Act cycle do organizations maintain and improve the information security management system?

- A. Check
- B. Do
- C. Act

**Answer: C**

Explanation:

The "Act" phase is the phase in which an organization maintains and improves the information security management system. In the PDCA logic, "Plan" establishes objectives, policies, processes, risk treatment plans, and controls. "Do" implements and operates the planned processes and controls. "Check" monitors, measures, audits, and reviews performance. "Act" uses the results of checking to correct weaknesses, improve effectiveness, and adapt the ISMS to changing conditions. ISO/IEC 27002 is not itself the PDCA requirements standard, but its controls support the management system lifecycle used by ISO/IEC 27001.

Examples include independent review of information security, compliance review, learning from incidents, management of vulnerabilities, and change management. These controls generate findings and lessons that feed improvement actions. "Do" is not the best answer because it focuses on implementation. "Check" is not the best answer because it evaluates performance but does not itself complete improvement. The phase that maintains and improves the ISMS is "Act." References/Chapters: ISO/IEC 27002:2022, Control 5.35 Independent review of information security; Control 5.27 Learning from information security incidents; ISO /IEC 27001 PDCA-based management system model.

### NEW QUESTION # 32

Which of the following controls should the organization implement to ensure that its approach to managing information security continues to be suitable, adequate and effective?

- A. Control 5.4 Management responsibilities
- B. Control 5.24 Information security incident management planning and preparation
- C. Control 5.35 Independent review of information security

**Answer: C**

Explanation:

Control 5.35, Independent review of information security, is the control intended to ensure that the organization's approach to managing information security remains suitable, adequate, and effective.

Independent reviews provide objective evaluation of whether policies, processes, controls, responsibilities, and implementation remain aligned with business needs, risks, legal requirements, and the organization's security objectives. The review may consider governance, control design, control operation, risk treatment, compliance, incident trends, technology changes, supplier dependencies, and audit results. Control 5.4, Management responsibilities, is important because management must ensure personnel apply security according to policies and procedures, but it is not the control specifically focused on independent review.

Control 5.24 concerns planning and preparation for incident management, which supports response capability but does not broadly assess the continuing suitability of the whole security approach. The phrase "suitable, adequate and effective" is a strong indicator of review and assurance. ISO/IEC 27002 uses independent review to challenge assumptions, detect weaknesses, and support continual improvement. Therefore, option B is the verified answer. References/Chapters: ISO/IEC 27002:2022, Control 5.35

Independent review of information security; Control 5.36 Compliance with policies, rules and standards for information security; Control 5.4 Management responsibilities.

### NEW QUESTION # 33

Some employees of an organization find the data processing procedures complicated and have been struggling to follow them effectively. Which of the following threats is the organization facing in this case?

- A. Hacking
- B. Information theft
- C. Data input error by employees

**Answer: C**

Explanation:

The situation describes a people-related operational threat: data input error by employees. The root cause is not a malicious external attack or theft; it is that employees cannot reliably follow complicated processing procedures. ISO/IEC 27002 recognizes that people, competence, awareness, and documented procedures are essential to information security. When procedures are unclear, excessive, or difficult to follow, employees may enter incorrect data, omit fields, select wrong categories, mishandle classifications, misroute information, or unintentionally corrupt records. This primarily threatens integrity because the information may no longer be accurate or complete. Hacking would involve unauthorized technical intrusion, and information theft would involve intentional unauthorized taking or disclosure of information. Neither is stated in the scenario.

ISO/IEC 27002 addresses this type of risk through information security awareness, education and training, documented operating procedures, clear responsibilities, and appropriate segregation of duties. Effective controls should make correct behavior practical and repeatable, not merely documented. Therefore, the verified answer is option A. References/Chapters: ISO/IEC 27002:2022, Control 6.3 Information security awareness, education and training; Control 5.37 Documented operating procedures; Control 5.3 Segregation of duties.

### NEW QUESTION # 34

What should the organization's management define and approve to ensure appropriate direction and support for information security?

- A. The list of assets that should be protected
- B. An information policy
- C. A risk management program

**Answer: B**

Explanation:

Management should define and approve an information security policy to provide direction and support for information security. In ISO/IEC 27002:2022, Control 5.1 requires policies for information security to be defined, approved by management, published, communicated to relevant personnel and interested parties, and reviewed at planned intervals or when significant changes occur. The policy establishes management intent, expectations, responsibilities, and the basis for more detailed topic-specific policies. Option B, a risk management program, is important, but it is not the specific item required by this control to provide overall direction and support. Option C, a list of assets, is also important because asset inventories support control implementation, but it does not replace the policy framework. The policy is the governing statement that aligns information security with business objectives, legal requirements, and risk treatment. It gives authority to procedures, standards, and operational controls. Therefore, the correct answer is option A, understood as the organization's information security policy. References/Chapters: ISO/IEC 27002:2022, Control 5.1 Policies for information security; Control 5.2 Information security roles and responsibilities; Control 5.9 Inventory of information and other associated assets.

### NEW QUESTION # 35

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