PECB BEYOND RECOGNITION

Exam Preparation Guide

ISO/IEC 27701 Lead Auditor

GENERAL

The objective of the "PECB Certified ISO/IEC 27701 Lead Auditor" exam is to ensure that the candidate has the necessary competence to: perform a privacy information management system (PIMS) audit in compliance with the ISO/IEC 27701 standard requirements; manage an audit team by applying widely recognized audit principles, procedures, and techniques; and, lastly, plan and carry out internal and external audits as per the guidelines of ISO 19011 and in compliance with the ISO/IEC 17021-1 certification processes.

The ISO/IEC 27701 Lead Auditor exam is intended for:

- Auditors seeking to perform and lead privacy information management system (PIMS) audits
- Managers or consultants seeking to master the privacy information management system audit process
- Individuals responsible to maintain conformity with PIMS requirements in an organization
- Technical experts seeking to prepare for a PIMS management system audit
- Expert advisors in privacy information management

The exam covers the following competency domains:

- **Domain 1:** Fundamental principles and concepts of a privacy information management system (PIMS)
- **Domain 2:** Privacy information management system (ISMS)
- **Domain 3:** Fundamental audit concepts and principles
- **Domain 4:** Preparing an ISO/IEC 27701 audit
- **Domain 5:** Conducting an ISO/IEC 27701 audit
- **Domain 6:** Closing an ISO/IEC 27701 audit
- **Domain 7:** Managing an ISO/IEC 27701 audit program

The content of the exam is divided as follows:

Domain 1: Fundamental principles and concepts of a privacy information management system (PIMS)

Main objective: Ensure that the candidate understands and is able to interpret ISO/IEC 27701 principles and concepts

Competencies	Knowledge statements
1. Ability to understand and explain ISO operations and the development of ISO/IEC 27701 standard 2. Ability to identify, analyze, and evaluate ISO/IEC 27701 requirements 3. Ability to explain and illustrate the main concepts of privacy information management system 4. Ability to identify information security and privacy-related standards 5. Ability to outline the relationship between PIMS and ISMS 6. Ability to list applicable privacy-related controls for PII controllers and PII processors 7. Ability to map ISO/IEC 27701 requirements to GDPR 8. Ability to understand the privacy principles	1. Knowledge of the main standards related to information security and privacy 2. Knowledge of the main concepts and terminology described in ISO/IEC 27701 3. Knowledge of the laws, regulations, international and industry standards, contracts, market practices, internal policies, etc. an organization must comply with 4. Knowledge of the main differences between PIMS and ISMS 5. Knowledge of the mapping between ISO/IEC 27701 requirements and GDPR 6. Knowledge of other information security and privacy-related standards 7. Knowledge of the application of the privacy principles to comply with ISO/IEC 27701 requirements

Domain 2: Privacy information management system (PIMS)

Main objective: Ensure that the candidate understands, is able to interpret, and identify the requirements for a privacy information management system based on ISO/IEC 27701

Competencies	Knowledge statements
1. Ability to identify, understand, classify, and explain the requirements of ISO/IEC 27701 2. Ability to distinguish and illustrate the information security and privacy requirements and best practices by using concrete examples 3. Ability to understand, explain, and illustrate the main steps to establish, implement, monitor, review, maintain, and improve an organization's PIMS 4. Ability to analyze, evaluate, and validate action plans to implement a specific control or process	1. Knowledge of ISO/IEC 27701 requirements 2. Knowledge of the best practices in information security and privacy management 3. Knowledge of the establishment, implementation, and maintenance of information security and privacy management procedures 4. Knowledge of the implementation and management of action plans to support PIMS

Domain 3: Fundamental audit concepts and principles

Main objective: Ensure that the candidate understands, is able to interpret, and apply the main concepts and principles related to a PIMS audit

Competencies	Knowledge statements
1. Ability to understand, explain, and apply the principles of auditing based on ISO 19011 2. Ability to identify and judge situations that would discredit the professionalism of the auditor and PECB code of ethics 3. Ability to identify and evaluate exceptions to the confidentiality principle required by law and authorized interested parties 4. Ability to explain, illustrate, and apply the evidence-based and risk-based auditing approach in the context of an ISO/IEC 27701 audit 5. Ability to explain and compare the types and characteristics of audit evidence 6. Ability to determine and evaluate the level of materiality and apply the risk-based approach during the different phases of an ISO/IEC 27701 audit 7. Ability to judge the appropriate level of reasonable assurance in the context of an ISO/IEC 27701 audit	1. Knowledge of the main audit concepts and terminology based on ISO 19011 2. Knowledge of types of audits such as first party audit (internal audit), second party audit, and third party audit 3. Knowledge of audit objectives and audit criteria 4. Knowledge of principles of auditing such as integrity, fair presentation, due professional care, confidentiality, independence, evidence-based approach, and risk-based approach 5. Knowledge of professional responsibilities of an auditor and the PECB code of ethics 6. Knowledge of the types of audit evidece such as physical, mathematical, confirmative, technical, analytical, documentary, and verbal 7. Knowledge of the quality and reliability of audit evidence 8. Knowledge of the audit approach based on risk 9. Knowledge of the concepts of materiality and reasonable assurance and their applicability in an audit

Domain 4: Preparing an ISO/IEC 27701 audit

Main objective: Ensure that the candidate is able to prepare a PIMS audit

Competencies	Knowledge statements
1. Ability to understand and explain the steps and activities needed to prepare a PIMS audit 2. Ability to understand and explain the roles and responsibilities of the audit team leader and audit team members 3. Ability to explain, illustrate, and define the audit engagement procedures 4. Ability to determine the audit feasibility 5. Ability to determine, evaluate, and confirm the audit objectives, the audit criteria, and the audit scope in the context of ISO/IEC 27701 6. Ability to define the audit schedule	1. Knowledge of the main responsibilities of the audit team leader and the audit team members 2. Knowledge of the audit engagement procedures and the steps in accepting an audit engagement 3. Knowledge of the elements to review during the audit feasability study 4. Knowledge of the audit objectives, the audit criteria, and the audit scope 5. Knowledge of the difference between PIMS scope and the audit scope 6. Knowledge of the audit schedule

Domain 5: Conducting an ISO/IEC 27701 audit

Main objective: Ensure that the candidate can efficiently conduct a PIMS audit

Competencies	Knowledge statements
1. Ability to conduct a stage 1 audit 2. Ability to prepare and conduct on-site activities 3. Ability to plan the stage 2 audit and assign work to the audit team 4. Ability to prepare audit test plans and the documented information for stage 2 audit 5. Ability to conduct a stage 2 audit 6. Ability to organize and conduct an opening meeting 7. Ability to conduct audit tests 8. Ability to explain, illustrate, and apply evidence collection procedures 9. Ability to explain, illustrate, and apply evidence analysis procedures	1. Knowledge of the objectives and steps of the stage 1 audit 2. Knowledge of the points to validate during the stage 1 audit 3. Knowledge of types of documented information to be audited 4. Knowledge of the verification of internal audit documents 5. Knowledge of audit planning steps and how to prepare audit test plans 6. Knowledge of the principles of maintaining audit working documents 7. Knowledge of the objectives and the content of the opening meeting of an audit 8. Knowledge of the audit tests 9. Knowledge of the responsibility of guides and observers 10. Knowledge of evidence collection procedures: observation, documented information review, interview, analysis, and technical verification 11. Knowledge of evidence analysis procedures: corroboration and evaluation

Domain 6: Closing an ISO/IEC 27701 audit

Main objective: Ensure that the candidate is able to conclude a PIMS audit and conduct audit follow-up activities

Competencies	Knowledge statements
1. Ability to determine audit finding, draft nonconformities, and conduct quality review 2. Ability to draft a nonconformity report 3. Ability to determine, agree, and draft the audit conclusions 4. Ability to conduct the closing meeting 5. Ability to prepare and distribute the audit report 6. Ability to make the certification decision and give recommendations for improvement 7. Ability to evaluate action plans by the auditor 8. Ability to conduct audit follow-up activities and conduct surveillance activities 9. Ability to plan and conduct recertification audit	1. Knowledge of audit findings, nonconformities, observations, and anomalies 2. Knowledge of the differences between major nonconformity, minor nonconformity, observation, and anomaly 3. Knowledge of documenting the audit findings and drafting a nonconformity report 4. Knowledge of the best practices to draft nonconformity report 5. Knowledge of the evaluation process of evidences to determine, agree, and draft the audit conclusions 6. Knowledge of the guidelines and best practices to present audit findings and audit conclusion to the auditee 7. Knowledge of the organization and content of the closing meeting 8. Knowledge of content and distribution of the audit report 9. Knowledge of content and evaluation of action plans 10. Knowledge of audit follow-up activities and surveillance activities 11. Knowledge of the certification cycle and conditions for extension, suspension or withdrawal, and transfer of the certification

Domain 7: Managing an ISO/IEC 27701 audit program

Main objective: Ensure that the candidate understands how to establish and manage a PIMS audit program

Competencies	Knowledge statements
1. Ability to understand and explain the audit program and the use of PDCA model 2. Ability to understand and explain the implementation of ISO/IEC 27701 audit program 3. Ability to understand and explain the responsibilities to protect the integrity, availability, and confidentiality of the audit records 4. Ability to achieve independence, objectivity, and impartiality of the audit function 5. Ability to evaluate the efficiency of the audit program by monitoring, reviewing, and improving the audit program	1. Knowledge of the use of PDCA model in the management of an audit program 2. Knowledge of the audit program resources and records 3. Knowledge of the differences between the internal and external audits 4. Knowledge of the structure of the audit charter 5. Knowledge of the main internal audit services and activities 6. Knowledge of the continual internal audit program 7. Knowledge of the monitoring, evaluating, reviewing, and improving an audit program

Based on the above-mentioned domains and their relevance, 12 questions are included in the exam, as summarized in the table below:

			Level of understanding (Cognitive/Taxonomy) required					
		Points per question	Questions that measure comprehension, application, and analysis	Questions that measure synthesis and evaluation	Number of questions per competency domain	% of the exam devoted to each competency domain	Number of points per competency domain	% of points per competency domain
Competency domains	Fundamental principles and concepts of a privacy information management system (PIMS)	5	X		2	16.67	10	13.33
		5	X					
	Privacy information management system (PIMS)	5	X		1	8.33	5	6.67
	Fundamental audit concepts and principles	5	X		1	8.33	5	6.67
	Preparing an ISO/IEC 27701 audit	5	X		2	16.67	15	20
		10		X				
	Conducting an ISO/IEC 27701 audit	5	X		3	25	15	20
		5		X				
		5	X					
	Closing an ISO/IEC 27701 audit	10		X	2	16.67	20	26.66
		10		X				
	Managing an ISO/IEC 27701 audit program	5	X		1	8.33	5	6.67
	Total points	75						
	Number of questions per level of understanding		8	4				
	% of the exam devoted to each level of understanding (cognitive/taxonomy)		66.7	33.3				

The exam passing score is **70%**.

After successfully passing the exam, candidates will be able to apply for the "PECB Certified ISO/IEC 27701 Lead Auditor" credential depending on their level of experience.

General Information on the Exam

Candidates are required to arrive/be present at least 30 minutes before the exam starts. Candidates who arrive late will not be given additional time to compensate for the late arrival and may not be allowed to sit for the exam.

Candidates are required to bring a valid identity card (a national ID card, driver's license, or passport) and show it to the invigilator.

If requested on the day of the exam (paper-based exams), additional time can be provided to candidates taking the exam in a non-native language, as follows:

- 10 additional minutes for Foundation exams
- 20 additional minutes for Manager exams
- 30 additional minutes for Lead exams

PECB Exam Format and Type

1. Paper-based: Exams are provided on paper, where candidates are not allowed to use anything but the exam paper and a pen. The use of electronic devices, such as laptops, tablets, or phones, is not allowed. The exam session is supervised by a PECB approved Invigilator at the location where the Reseller has organized the training course.

2. Online: Exams are provided electronically via the PECB Exams application. The use of electronic devices, such as tablets and cell phones, is not allowed. The exam session is supervised remotely by a PECB Invigilator via the PECB Exams application and an external/integrated camera.

For more detailed information about the online format, please refer to the PECB Online Exam Guide.

PECB exams are available in two types:
1. Essay-type question exam
2. Multiple-choice question exam

This exam comprises essay-type questions. They are used to determine and evaluate whether a candidate can clearly answer questions related to the defined competency domains. Additionally, problem-solving techniques and arguments that are supported with reasoning and evidence will also be evaluated.

The exam is open book and is not intended to measure memorizing or recalling information. It aims to evaluate candidates' comprehension, analytical skills, and applied knowledge. Therefore, candidates are required to provide logical and convincing answers and explanations in order to demonstrate that they have understood the content and the main concepts of the competency domains.

Since the exam is "open book," candidates are authorized to use the following reference materials:

- A hard copy of ISO/IEC 27701 standard
- A hard copy of ISO/IEC 27001 standard
- A hard copy of ISO/IEC 27002 standard
- Training course materials(accessed through PECB Exams app and/or printed)
- Any personal notes made by the candidate during the training course(accessed through PECB Exams app and/or printed)
- A hard copy dictionary

Any attempts to copy, collude, or otherwise cheat during the exam session will automatically lead to failure of the exam.

PECB exams are available in English and other languages. For the availability of the exam in a particular language, please contact examination@pecb.com.

Note: PECB will progressively transition to multiple-choice exams. They will also be open book and comprise scenario-based questions that will allow PECB to evaluate candidates' knowledge, abilities, and skills to use information in new situations (apply), draw connections among ideas (analyze), and justify a stand or decision (evaluate). All PECB multiple-choice exams have one question and three alternatives, of which only one is correct.

For specific information about exam types, languages available, and other details, visit the List of PECB Exams.

Receiving the Exam Results

Exam results will be communicated via email. The only possible results are *pass* and *fail;* no specific grade will be included.

- The time span for the communication starts from the exam date and lasts three to eight weeks for essay type exams and two to four weeks for multiple-choice paper-based exams

- For online multiple-choice exams, candidates receive their results instantly

Candidates who successfully complete the exam will be able to apply for one of the credentials of the respective certification scheme.

For candidates who fail the exam, a list of the domains where they have performed poorly will be added to the email to help them prepare better for a retake.

Candidates that disagree with the results may request for a re-evaluation by writing to results@pecb.com within 30 working days of receiving the results. Re-evaluation requests received after 30 days will not be processed. If candidates do not agree with the results of the reevaluation, they have 30 working days from the date when they received the reevaluated exam results to file a complaint through the PECB Ticketing System. Complaints received after 30 days will not be processed.

Exam Retake Policy

There is no limit on the number of times that a candidate may retake an exam. However, there are certain limitations in terms of the allowed time frames between exam retakes.

- If a candidate does not pass the exam on the 1st attempt, they must wait 15 days from the initial date of the exam for the next attempt (1st retake). Retake fees apply.
  Note: *Candidates who have completed the training course but failed the exam are eligible to retake the exam once for free within a 12-month period from the initial date of the exam.*
- If a candidate does not pass the exam on the 2nd attempt, they must wait three months after the initial date of the exam for the next attempt (2nd retake). Retake fees apply.
  Note: *For candidates that fail the exam in the 2nd retake, PECB recommends them to attend a training course in order to be better prepared for the exam.*
- If a candidate does not pass the exam on the 3rd attempt, they must wait six months after the initial date of the exam for the next attempt (3rd retake). Retake fees apply.
- After the 4th attempt, the waiting period for further retake exams is 12 months from the date of the last attempt. Retake fees apply.

To arrange exam retakes (date, time, place, costs), candidates need to contact the PECB Reseller/Distributor who has initially organized the session.

Reschedule the Exam

For any changes with regard to the exam date, time, location, or other details, please contact examination@pecb.com.

Closing a Case

If candidates do not apply for certification within three years, their case will be closed. Even though the certification period expires, candidates have the right to reopen their case. However, PECB will no longer be responsible for any changes regarding the conditions, standards, policies, and candidate handbook that were applicable before the case was closed. A candidate requesting their case to reopen must do so in writing and pay the required fee.

Exam Security

A significant component of a successful and respected professional certification credential is maintaining the security and confidentiality of the exam. PECB relies upon the ethical behavior of certificate holders and applicants to maintain the security and confidentiality of PECB exams. Any disclosure of information about the content of PECB exams indicates violation of PECB's Code of Ethics. PECB will take action against individuals who violate PECB Policies and the Code of Ethics. These actions include permanently barring individuals from pursuing PECB credentials and revoking the awarded credentials. PECB will also pursue legal action against individuals or organizations who infringe upon its copyrights, proprietary rights, and intellectual property.

Sample Exam Questions

Question 1:
For each of the following clauses of ISO/IEC 27701, provide at least two types of evidence that would be sufficient to verify the conformity. In addition, indicate the type of evidence used.

1. Clause 7.3.9 Handling requests
2. Clause 7.4.5 PII de-identification and deletion at the end of processing

Example: Clause 6.9.4.1 Event logging
- *Event log records of access to PII (physical evidence)*
- *Interview with the person in charge of monitoring the process of event logging (verbal evidence*)

Possible answers:

1. ***Clause 7.3.9 Handling requests***
   Verification of a sample of handled requests to determine if they have been handled within the defined response time (analytical evidence)
   Verification of the policies and procedures for handling and responding to legitimate requests from PII principals (documentary evidence)

2. ***Clause 7.4.5 PII de-identification and deletion at the end of processing***
   Observation of mechanisms used to erase the PII (technical evidence)
   Interview with the person in charge of implementing de-identification techniques (verbal evidence)

Question 2:
Prepare an audit test plan by selecting at least three appropriate audit procedures to validate conformity to clause 8.5.4 Notification of PII disclosure requests of ISO/IEC 27701. Mark "N/A" for the procedures that do not apply.

Possible answers:

AUDIT TEST PLAN	
Audit criteria: *The organization should notify the customer of any legally binding requests for disclosure of PII.*	
Observation	*The audit team should observe how the organization notifies its customers in case of any legally binding requests for disclosure of PII.*
Documented information review	*The audit team should review the documented information related to the notification of customer if case of any legally binding requests for disclosure of PII.*
Interview	*The audit team should interview personnel responsible for the implementation of procedures on how to notify the customer for disclosure of PII.*
Technical verification	*N/A*
Analysis	*The audit team should select a sample of notifications sent to customers to ensure that they have been notified for any legally binding requests for disclosure of PII within agreed timeframes.*

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