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Information security, cybersecurity and privacy protection — Requirements for the competence of IT security conformance assessment body personnel —

Part 3: Knowledge and skills requirements for evaluators and reviewers according to the ISO/IEC 15408 series and ISO/IEC 18045

Sécurité de l'information, cybersécurité et protection de la vie privée — Exigences relatives aux compétences du personnel des organismes d'évaluation de la conformité de la sécurité TI —

Partie 3: Exigences en matière de connaissances et de compétences pour les évaluateurs et les examinateurs conformément à la série ISO/IEC 15408 et à l'ISO/IEC 18045

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *Information security, cybersecurity and privacy protection*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/CLC/JTC 13, *Cybersecurity and data protection*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO/IEC 19896-2:2018), which has been technically revised.

The main changes are as follows:

— completely reworked the requirements for evaluators, including restructuring of the content;

— added requirements for personnel reviewing IT security conformance assessment activities.

A list of all parts in the ISO/IEC 19896 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

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Introduction

The ISO/IEC 15408 series permits comparability between the results of independent security evaluations. It does so by providing a common set of requirements for the security functionality of information technology (IT) products and for assurance measures applied to these IT products during a security evaluation. Many review and evaluation schemes as well as review bodies have been developed using the ISO/IEC 15408 series and ISO/IEC 18045 as a basis, which permits comparability between the results of evaluation projects.

The evaluation process usually relies on both pre-defined tests/methods for a type of TOE, and TOE-specific tests/methods that are defined for a given implementation of the TOE. Hence, the competence of the individual evaluators, who are expected not only to apply pre-defined tests/methods but to define and run TOE-specific tests/methods, is key to ensuring the comparability and repeatability of evaluation results which is the foundation for mutual recognition.

This document establishes a baseline for the minimum competence of ISO/IEC 15408 series evaluators and reviewers to ensure harmonized requirements for training ISO/IEC 15408 evaluators and reviewers. It provides specialized requirements for individuals performing IT product security evaluations and reviews to demonstrate their competence according to the ISO/IEC 15408 series and ISO/IEC 18045. ISO/IEC 15408-1 describes the general framework for competences including the various elements thereof: knowledge, skills, experience and education. This document covers knowledge and skills, especially in the following areas.

— Information security

  — Knowledge: information security principles, information security properties, information security threats and vulnerabilities.

  — Skills: understanding information security requirements, the context and the scope of evaluation.

— Information security evaluation

  — Knowledge: knowledge of the ISO/IEC 15408 series and ISO/IEC 18045, laboratory management system.

  — Skills: Basic evaluation skills, core evaluation skills, skills required when evaluating specific security assurance classes, skills required when evaluating specific security functional requirements classes.

— Information systems architecture

  — Knowledge: technology being evaluated.

  — Skills: understanding the interaction of security components and information.

— Information security testing

  — Knowledge: information security testing techniques, information security testing tools, product development lifecycle, test types.

  — Skills: creating and managing an information security test plan, designing information security tests, preparing and conducting information security tests.

The audience for this document includes testing laboratory accreditation bodies, organizations implementing evaluation schemes, laboratories, evaluators and organizations offering professional credentialing.

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Information security, cybersecurity and privacy protection — Requirements for the competence of IT security conformance assessment body personnel —

Part 3:
Knowledge and skills requirements for evaluators and reviewers according to the ISO/IEC 15408 series and ISO/IEC 18045

1 Scope

This document provides the specialized requirements for individuals to demonstrate competence in performing IT product security evaluations and reviews according to the ISO/IEC 15408 series and ISO/IEC 18045.

NOTE It is possible that evaluators and testers belong to bodies operating under ISO/IEC 17025 and reviewers belong to bodies operating under ISO/IEC 17065.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 19896-1, *Information security, cybersecurity and privacy protection — Requirements for the competence of IT security conformance assessment body personnel — Part 1: Introduction and concepts*

ISO/IEC 15408-1:—[1)], *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 1: Introduction and general model*

ISO/IEC 15408-2:—[2)], *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security— Part 2: Security functional components*

ISO/IEC 15408-3:—[3)], *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security— Part 3: Security assurance components*

ISO/IEC 15408-4, *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 4: Framework for the specification of evaluation methods and activities*

ISO/IEC 15408-5, *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security— Part 5: Pre-defined packages of security requirements*

ISO/IEC 18045:—[4)], *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Methodology for IT security evaluation*

1) Under preparation. Stage at the time of publication: ISO/IEC FDIS 15408-1:2025.

2) Under preparation. Stage at the time of publication: ISO/IEC DIS 15408-2:2025.

3) Under preparation. Stage at the time of publication: ISO/IEC DIS 15408-3:2025.

4) Under preparation. Stage at the time of publication: ISO/IEC FDIS 18045:2025.

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3 Terms, definitions and abbreviated terms

For the purposes of this document, the terms and definitions given in ISO/IEC 19896-1, ISO/IEC 15408-1, ISO/IEC 15408-2, ISO/IEC 15408-3, ISO/IEC 18045 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1 Terms and definitions

3.1.1
supporting document
document that specifies the use of the Common Criteria (CC) or common methodology for information technology security evaluation (CEM) in a particular field or domain of technology

Note 1 to entry: Such a document can be either required or recommended, and generally specifies harmonized interpretations of the CC and CEM where deemed necessary and/or useful.

3.1.2
technical domain
family of information technology (IT) products that require specific technical competencies, especially with regard to the vulnerability analysis, requiring a common understanding of the attack potential for performing the evaluation

3.2 Abbreviated terms

CC	Common Criteria
CEM	common evaluation methodology
cPP	collaborative protection profile
ETR	evaluation technical report
IC	integrated circuit
IT	information technology
PP	protection profile
ST	security target
TSF	TOE security functionality
TSFI	TOE security functionality interface
TOE	target of evaluation

4 Knowledge

4.1 Knowledge required for evaluators

4.1.1 General

4.1.2 to 4.1.5 address the knowledge that is required to evaluate according to the ISO/IEC 15408 series and ISO/IEC 18045.

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