TECHNICAL SPECIFICATION

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Information security, cybersecurity and privacy protection — Requirements for the competence of IT security testing and evaluation laboratories —

Part 1: Evaluation for ISO/IEC 15408

Sécurité de l'information, cybersécurité et protection de la vie privée — Exigences relatives aux compétences des laboratoires d'essais et d'évaluation de la sécurité TI —

Partie 1: Évaluation pour l'ISO/IEC 15408

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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents) or the IEC list of patent declarations received (see https://patents.iec.ch).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *Information security, cybersecurity and privacy protection*.

A list of all parts in the ISO/IEC 23532 series can be found on the ISO and IEC websites.

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.

Introduction

Laboratories performing evaluations for conformance to information security standards including the ISO/IEC 15408 series may utilize and require conformance to ISO/IEC 17025:2017. ISO/IEC 17025:2017 gives generalized requirements for a broad range of testing and calibration laboratories to enable them to demonstrate that they operate competently and are able to generate valid results.

Laboratories that perform such evaluations have specific requirements for competence to the ISO/IEC 15408 series that will enable them to generate valid results.

By providing additional details and supplementary requirements to ISO/IEC 17025:2017 that are specific to information security evaluation laboratories, this document will facilitate cooperation and better conformity and harmonization between laboratories and other bodies. This document may be used by countries and accreditation bodies as a set of requirements for laboratory assessments and accreditations.

To help implementers, this document is numbered identically to ISO/IEC 17025:2017. Supplementary requirements are presented as subclauses additional to ISO/IEC 17025:2017.

Information security, cybersecurity and privacy protection — Requirements for the competence of IT security testing and evaluation laboratories —

Part 1: Evaluation for ISO/IEC 15408

1 Scope

This document complements and supplements the procedures and general requirements found in ISO/IEC 17025:2017 for laboratories performing evaluations based on the ISO/IEC 15408 series and ISO/IEC 18045.

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 15408-1, *Information technology — Security techniques — Evaluation criteria for IT security — Part 1: Introduction and general model*

ISO/IEC 17000, *Conformity assessment — Vocabulary and general principles*

ISO/IEC 17025:2017, *General requirements for the competence of testing and calibration laboratories*

ISO/IEC 19896-1, *IT security techniques — Competence requirements for information security testers and evaluators — Part 1: Introduction, concepts and general requirements*

ISO/IEC 19896-3, *IT security techniques — Competence requirements for information security testers and evaluators — Part 3: Knowledge, skills and effectiveness requirements for ISO/IEC 15408 evaluators*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 17000, ISO/IEC 17025:2017, ISO/IEC 15408-1, ISO/IEC 19896-1, ISO/IEC 19896-3 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
evaluation laboratory
organization with a management system providing evaluation in accordance with a defined set of policies and procedures and utilizing a defined methodology for evaluating the security functionality of IT products

Note 1 to entry: These organizations are often given alternative names by various evaluation authorities. For example, IT Security Evaluation Facility (ITSEF), Commercial Evaluation Facility (CLEF).

Note 2 to entry: The defined methodology is given ISO/IEC 18045.

4 General requirements

4.1 Impartiality

4.1.1 ISO/IEC 17025:2017, 4.1.1 applies.

4.1.1.1 ISO/IEC 17025:2017, 4.1.1 applies with the following additions.

The evaluation laboratory shall establish and maintain policies and procedures for maintaining laboratory impartiality and integrity in the conduct of information technology security evaluations. When conducting evaluations, the laboratory policies and procedures shall ensure that:

a) evaluators cannot both develop and evaluate the same protection profile, security target, or IT product, and

b) evaluators cannot both provide consulting services for and participate in the evaluation or testing of the same protection profile, security target, or IT product.

4.1.2 ISO/IEC 17025:2017, 4.1.2 applies.

4.1.2.1 ISO/IEC 17025:2017, 4.1.2 applies with the following additions.

The organization to which the evaluator belongs shall not be the same as the organization to which the department that develops the target of evaluation (TOE) belongs.

4.1.3 ISO/IEC 17025:2017, 4.1.3 applies.

4.1.4 ISO/IEC 17025:2017, 4.1.4 applies.

4.1.5 ISO/IEC 17025:2017, 4.1.5 applies.

4.1.6 ISO/IEC 17025:2017, 4.1 applies with the following additions.

To maintain impartiality, the laboratory shall maintain proper separation between evaluators and other personnel inside the laboratory or outside the laboratory, but inside the parent organization.

4.2 Confidentiality

4.2.1 ISO/IEC 17025:2017, 4.2.1 applies.

4.2.2 ISO/IEC 17025:2017, 4.2.2 applies.

4.2.3 ISO/IEC 17025:2017, 4.2.3 applies.

4.2.4 ISO/IEC 17025:2017, 4.2.4 applies.

4.2.5 ISO/IEC 17025:2017, 4.2 applies with the following additions.

Confidentiality mechanisms shall be employed to ensure that the evaluation report cannot be disclosed to anyone other than the intended recipient(s).

4.2.6 ISO/IEC 17025:2017, 4.2 applies with the following additions.

Because of confidentiality requirements of the evaluation laboratory and client, some evaluation output may need to exclude:

a) proprietary information (e.g. source code);

b) TOE-specific sampling and test information;

c) effort estimates;

d) commercially sensitive information.

4.2.7 ISO/IEC 17025:2017, 4.2 applies with the following additions.

The evaluation laboratory shall have physical and electronic controls augmented with an explicit policy and a set of procedures for maintaining separation, both physical and electronic, between the laboratory, evaluators and laboratory consultants, product developers, system integrators, and others who may have an interest in and/or may unduly influence the evaluation outcome.

4.2.8 ISO/IEC 17025:2017, 4.2 applies with the following additions.

The management system shall include policies and procedures to ensure the protection of proprietary information. This protection shall specify how proprietary information will be protected from persons outside the laboratory, from visitors to the laboratory, from laboratory personnel without a need to know, and from other unauthorized persons. The evaluation laboratory shall possess its own security manual that sets out the procedures and responsibilities to be undertaken by all the evaluators of the evaluation laboratory, to maintain the security required to protect commercially sensitive information.

5 Structural requirements

5.1 ISO/IEC 17025:2017, 5.1 applies.

5.2 ISO/IEC 17025:2017, 5.2 applies.

5.3 ISO/IEC 17025:2017, 5.3 applies.

5.3.1 ISO/IEC 17025:2017, 5.3 applies with the following additions.

The evaluation laboratory shall create and maintain a cross-referenced document mapping Clauses 4 to 8 to the laboratory's management system documentation.

5.4 ISO/IEC 17025:2017, 5.4 applies.

5.5 ISO/IEC 17025:2017, 5.5 applies.

5.6 ISO/IEC 17025:2017, 5.6 applies.

5.7 ISO/IEC 17025:2017, 5.7 applies.

5.8 ISO/IEC 17025:2017, Clause 5 applies with the following additions.

There shall be a nominated person within the evaluation laboratory with overall responsibility for the security of the evaluation laboratory and the production of the evaluation laboratory security manual.

6 Resource requirements

6.1 General

ISO/IEC 17025:2017, 6.1 applies.

6.2 Personnel

6.2.1 ISO/IEC 17025:2017, 6.2.1 applies.

6.2.2 ISO/IEC 17025:2017, 6.2.2 applies.

NOTE Laboratories document the required qualifications for each staff position. The staff information can be kept in the official personnel folders.

6.2.2.1 ISO/IEC 17025:2017, 6.2.2 applies with the following additions.

The evaluation laboratory shall maintain a list of personnel designated to fulfil laboratory requirements including:

a) laboratory director,

b) approved report signatories,

c) evaluation team leaders, and

d) evaluators.

An individual may be assigned or appointed to serve in more than one position; however, to the extent possible, the laboratory director position should be independently staffed.

NOTE Significant change in a laboratory's key technical personnel or facilities can result in a laboratory no longer being deemed proficient by relevant scheme owner(s).

6.2.3 ISO/IEC 17025:2017, 6.2.3 applies.

6.2.4 ISO/IEC 17025:2017, 6.2.4 applies.

6.2.5 ISO/IEC 17025:2017, 6.2.5 applies.

6.2.5.1 ISO/IEC 17025:2017, 6.2.5 applies with the following additions.

The evaluation laboratory shall have procedure(s) and retain records for determining the competence requirements for personnel in ISO/IEC 19896-3.

6.2.5.2 ISO/IEC 17025:2017, 6.2.5 applies with the following additions.

The evaluation laboratory has documented a detailed description of its training program for new and current evaluators. Each new evaluator is trained for assigned duties. The training program is updated and current evaluators shall be retrained when the ISO/IEC 15408 series or ISO/IEC 18045 changes, as new technology specific assurance activities are defined in protection profiles, or when the individuals are assigned new responsibilities. Each evaluator may receive training for assigned duties either through on-the-job training, formal classroom study, attendance at conferences, or another appropriate mechanism. Training materials that are maintained within the laboratory shall be kept up-to-date.

6.2.5.3 ISO/IEC 17025:2017, 6.2.5 applies with the following additions.

The laboratory shall have a procedure(s) and retain records for monitoring of competence of personnel according to ISO/IEC 19896-3.

6.2.5.4 ISO/IEC 17025:2017, 6.2.5 applies with the following additions.

The laboratory reviews annually the competence of each evaluator for each test method the evaluator is authorized to conduct. The evaluator's immediate supervisor, or a designee appointed by the laboratory director, conducts annually an assessment and an observation of performance for each evaluator. A record of the annual review of each evaluator is dated and signed by the supervisor and the employee. A description of competency review programs is maintained in the management system.

6.2.6 ISO/IEC 17025:2017, 6.2.6 applies.

NOTE Laboratory evaluator collectively has knowledge or experience for any specific technologies upon which an evaluation is conducted in ISO/IEC 19896-3.

6.2.7 ISO/IEC 17025:2017, 6.2 applies with the following additions.

The evaluation laboratory shall maintain a competent administrative and technical personnel appropriate for IT security evaluation on the ISO/IEC 15408 series. The laboratory shall maintain position descriptions, training records, and resumes for responsible supervisory personnel and laboratory evaluators who influence the outcome of security evaluations.

6.3 Facilities and environmental conditions

6.3.1 ISO/IEC 17025:2017, 6.3.1 applies.

6.3.1.1 ISO/IEC 17025:2017, 6.3.1 applies with the following additions.

Laboratory networks used to conduct Test Documentation and the Test Activity (ATE) and Vulnerability Assessment Activity (AVA) evaluation activities shall be effectively isolated to ensure that there are no external influences on test results.

6.3.2 ISO/IEC 17025:2017, 6.3.2 applies.

6.3.3 ISO/IEC 17025:2017, 6.3.3 applies.

6.3.4 ISO/IEC 17025:2017, 6.3.4 applies.

6.3.5 ISO/IEC 17025:2017, 6.3.5 applies.

6.3.5.1 ISO/IEC 17025:2017, 6.3.5 applies with the following additions.

If the evaluation laboratory or the evaluator is conducting its evaluation at the client site or other location outside the laboratory facility, the environment shall conform, as appropriate, to the requirements for the laboratory environment. If a client's system on which an evaluation is conducted is potentially open to access by unauthorized entities during evaluation, the evaluation laboratory or the evaluator shall control the evaluation environment. This is to ensure that the systems are in a defined state compliant with the requirements for the evaluation before starting to perform evaluation work and that the systems ensure that unauthorized entities do not gain access to the system during evaluation.

6.3.6 ISO/IEC 17025:2017, 6.3 applies with the following additions.

A protection system shall be in place to safeguard client proprietary hardware, software, test data, electronic and paper records and other materials. This system shall protect the proprietary materials and information from personnel outside the laboratory, visitors to the laboratory, laboratory personnel without a need to know, and other unauthorized persons. The laboratory shall have protection systems (e.g. firewall, intrusion detection) in place to protect internal systems from untrusted external entities. If evaluation activities are conducted at more than one location, all locations shall meet the requirements related to this document and mechanisms shall be in place to ensure secure communication between all locations.

6.3.7 ISO/IEC 17025:2017, 6.3 applies with the following additions.

Security audit and logs shall be used to monitor physical and logical access control.

6.3.8 ISO/IEC 17025:2017, 6.3 applies with the following additions.

The evaluation laboratory shall have regularly updated protection for all systems against viruses and other malware. The laboratory shall have an effective backup system to ensure that data and records can be restored in the event of their loss.

6.3.9 ISO/IEC 17025:2017, 6.3 applies with the following additions.

A secure system to protect the electronic mail may be required for communications between the evaluation laboratory, scheme owner(s) or the client.

6.4 Equipment

6.4.1 ISO/IEC 17025:2017, 6.4.1 applies.

6.4.1.1 ISO/IEC 17025:2017, 6.4.1 applies with the following additions.

In cases where the evaluation laboratory does not have access to equipment or tools needed to conduct all the tests, it will be acceptable for the laboratory to use equipment on loan, provided that this is detailed in the test report.

6.4.2 ISO/IEC 17025:2017, 6.4.2 applies.

6.4.3 ISO/IEC 17025:2017, 6.4.3 applies.

6.4.3.1 ISO/IEC 17025:2017, 6.4.3 applies with the following additions.

The equipment used for conducting security evaluations shall be maintained in accordance with the manufacturer's recommendations, or in accordance with internally documented laboratory procedures, as applicable. Test equipment refers to software and hardware products or other assessment mechanisms used by the evaluation laboratory to support the evaluation of the security of an IT product.

6.4.4 ISO/IEC 17025:2017, 6.4.4 applies.

6.4.5 ISO/IEC 17025:2017, 6.4.5 applies.

6.4.5.1 ISO/IEC 17025:2017, 6.4.5 applies with the following additions.

The evaluation laboratory shall ensure that its test equipment is calibrated. In security evaluations under the ISO/IEC 15408 series and ISO/IEC 18045, calibration means verification of correctness

and suitability. Any test tools used to conduct security evaluations that are not part of the unit under evaluation shall be studied in isolation to make sure that they correctly represent and assess the test assertions they make. They shall also be examined to ensure that they do not interfere with the conduct of the test and do not modify or impact the integrity of the product under test in any way. Laboratories shall have procedures that ensure appropriate configuration of all test equipment. Laboratories shall maintain records of the configuration of test equipment and all analyses to ensure the suitability of test equipment to perform the desired testing.

6.4.6 ISO/IEC 17025:2017, 6.4.6 applies.

6.4.7 ISO/IEC 17025:2017, 6.4.7 applies.

6.4.8 ISO/IEC 17025:2017, 6.4.8 applies.

6.4.9 ISO/IEC 17025:2017, 6.4.9 applies.

6.4.10 ISO/IEC 17025:2017, 6.4.10 applies.

6.4.11 ISO/IEC 17025:2017, 6.4.11 applies.

6.4.12 ISO/IEC 17025:2017, 6.4.12 applies.

6.4.13 ISO/IEC 17025:2017, 6.4.13 applies.

6.5 Metrological traceability

6.5.1 ISO/IEC 17025:2017, 6.5.1 applies.

NOTE See Annex A for additional information on metrological traceability.

6.5.1.1 ISO/IEC 17025:2017, 6.5.1 applies with the following additions.

For the evaluation by the ISO/IEC 15408 series, "traceability" is interpreted to mean that security evaluation activities are linked to the underlying ISO/IEC 15408 series requirements and work units in ISO/IEC 18045. This means that test tools and evaluation methodology demonstrate that the tests they conduct and the test assertions they make are aligned with specific criteria and methodology. This is necessary to ensure that test results constitute credible evidence of compliance with the ISO/IEC 15408 series and ISO/IEC 18045.

6.5.2 ISO/IEC 17025:2017, 6.5.2 applies.

6.5.3 ISO/IEC 17025:2017, 6.5.3 applies.

6.6 Externally provided products and services

6.6.1 ISO/IEC 17025:2017, 6.6.1 applies.

6.6.2 ISO/IEC 17025:2017, 6.6.2 applies.

6.6.3 ISO/IEC 17025:2017, 6.6.3 applies.

6.6.4 ISO/IEC 17025:2017, 6.6 applies with the following additions.

If externally provided testing activities (i.e. subcontract) are used as a mechanism by which the laboratory fulfils and/or enhances the evaluation process, the external laboratory shall be itself a laboratory whose service scope includes the applicable test method(s).

7 Process requirements

7.1 Review of requests, tenders and contracts

7.1.1 ISO/IEC 17025:2017, 7.1.1 applies.

7.1.2 ISO/IEC 17025:2017, 7.1.2 applies.

7.1.3 ISO/IEC 17025:2017, 7.1.3 applies.

7.1.4 ISO/IEC 17025:2017, 7.1.4 applies.

7.1.5 ISO/IEC 17025:2017, 7.1.5 applies.

7.1.6 ISO/IEC 17025:2017, 7.1.6 applies.

7.1.7 ISO/IEC 17025:2017, 7.1.7 applies.

7.1.8 ISO/IEC 17025:2017, 7.1.8 applies.

7.2 Selection, verification and validation of methods

7.2.1 Selection and verification of methods

7.2.1.1 ISO/IEC 17025:2017, 7.2.1.1 applies.

7.2.1.2 ISO/IEC 17025:2017, 7.2.1.2 applies.

7.2.1.3 ISO/IEC 17025:2017, 7.2.1.3 applies.

7.2.1.4 ISO/IEC 17025:2017, 7.2.1.4 applies.

7.2.1.5 ISO/IEC 17025:2017, 7.2.1.5 applies.

7.2.1.6 ISO/IEC 17025:2017, 7.2.1.6 applies.

7.2.1.7 ISO/IEC 17025:2017, 7.2.1.7 applies.

7.2.1.8 ISO/IEC 17025:2017, 7.2.1 applies with the following additions.

The methods described in 7.2.1.1 to 7.2.1.7 shall be related to evaluation methodology using the ISO/IEC 15048 series, ISO/IEC 18045, protection profile-specific assurance activities, and additional laboratory-developed methodology.

7.2.2 Validation of methods

7.2.2.1 ISO/IEC 17025:2017, 7.2.2.1 applies.

7.2.2.1.1 ISO/IEC 17025:2017, 7.2.2.1 applies with the following additions.

When changes to the evaluation methodology are deemed necessary for technical reasons, the evaluation laboratory shall consult scheme owner(s) to ensure that the new methodology continues to meet all requirements and policies, the client shall be informed, and details of these exceptions shall be described in the evaluation report.

7.2.2.2 ISO/IEC 17025:2017, 7.2.2.2 applies.

7.2.2.3 ISO/IEC 17025:2017, 7.2.2.3 applies.

7.2.2.4 ISO/IEC 17025:2017, 7.2.2.4 applies.

7.2.2.5 ISO/IEC 17025:2017, 7.2.2 applies with the following additions.

The ISO/IEC 15408 series, ISO/IEC 18045, the scheme owner(s)-approved PP assurance activities, and the laboratory's procedures for conducting security evaluations shall be maintained up-to-date and be readily available to the personnel.

7.3 Sampling

7.3.1 ISO/IEC 17025:2017, 7.3.1 applies.

7.3.2 ISO/IEC 17025:2017, 7.3.2 applies.

7.3.3 ISO/IEC 17025:2017, 7.3.3 applies.

7.4 Handling of test or calibration items

7.4.1 ISO/IEC 17025:2017, 7.4.1 applies.

7.4.1.1 ISO/IEC 17025:2017, 7.4.1 applies with the following additions.

The evaluation laboratory shall have procedures to ensure proper retention, disposal or return of software and hardware after the completion of the evaluation.

7.4.2 ISO/IEC 17025:2017, 7.4.2 applies.

7.4.2.1 ISO/IEC 17025:2017, 7.4.2 applies with the following additions.

If the laboratory is conducting multiple simultaneous evaluation activities, a system of separation between the products of different customers and evaluations activities shall be maintained as necessary.

7.4.3 ISO/IEC 17025:2017, 7.4.3 applies.

7.4.4 ISO/IEC 17025:2017, 7.4.4 applies.

7.4.5 ISO/IEC 17025:2017, 7.4 applies with the following additions.

The evaluation laboratory shall protect the IT product under evaluation and calibrated tools from modification, unauthorized access, and use. The laboratory shall maintain separation between and control over the items from different evaluations, including the IT product under evaluation, its platform, peripherals and documentation.

7.4.6 ISO/IEC 17025:2017, 7.4 applies with the following additions.

When the IT product under evaluation includes software/firmware components and/or when any documents are provided by the vendor, the laboratory shall ensure that configuration management systems are in place to prevent inadvertent modifications to the software components and the documents during the evaluation process and the documents.

7.5 Technical records

7.5.1 ISO/IEC 17025:2017, 7.5.1 applies.

7.5.1.1 ISO/IEC 17025:2017, 7.5.1 applies with the following additions.

There shall be enough evaluation evidence in the records so an independent body can determine what evaluation work was performed for each work unit and assurance activity and can concur with the verdict. Records include evaluator notebooks, records relating to the IT product, work-unit and assurance activity level records, and client-site records.

7.5.2 ISO/IEC 17025:2017, 7.5.2 applies.

7.5.2.1 ISO/IEC 17025:2017, 7.5.2 applies with the following additions.

The evaluation laboratory shall maintain a functional record-keeping system that is used to track each security evaluation. Records shall be easily accessible and contain complete information for each evaluation. Required records of evaluation activities shall be traceable to the evaluator actions of the ISO/IEC 15408 series and the applicable assurance activities specified in the associated Protection Profiles. Computer-based records shall contain entries indicating the date created and the individual(s) who performed the work, along with any other information required by the management system. Entries in laboratory notebooks shall be dated and signed or initialled. All records shall be maintained in accordance with laboratory policies and procedures and in a manner that ensures record integrity. There shall be appropriate backups and archives.

7.5.2.2 ISO/IEC 17025:2017, 7.5.2 applies with the following additions.

All auditable documents shall be properly secured under change control for the record keeping time following completion of an evaluation. This may include, but is not limited to, observation reports, calibration records, corrective/preventative action records, and test reports. As well as for auditing purposes, it may be useful to retain these for assurance maintenance.

7.6 Evaluation of measurement uncertainty

7.6.1 ISO/IEC 17025:2017, 7.6.1 applies.

7.6.2 ISO/IEC 17025:2017, 7.6.2 applies.

7.6.3 ISO/IEC 17025:2017, 7.6.3 applies.

7.7 Ensuring the validity of results

7.7.1 ISO/IEC 17025:2017, 7.7.1 applies.

7.7.2 ISO/IEC 17025:2017, 7.7.2 applies.

7.7.3 ISO/IEC 17025:2017, 7.7.3 applies.

7.8 Reporting of results

7.8.1 General

7.8.1.1 ISO/IEC 17025:2017, 7.8.1.1 applies.

7.8.1.1.1 ISO/IEC 17025:2017, 7.8.1.1 applies with the following additions.

The evaluation laboratory shall have procedures for conducting final review of evaluation results, the final report reporting requirements, and the laboratory records of the evaluation prior to their submission to the client.

7.8.1.2 ISO/IEC 17025:2017, 7.8.1.2 applies.

7.8.1.3 ISO/IEC 17025:2017, 7.8.1.3 applies.

7.8.2 Common requirements for reports (test, calibration or sampling)

7.8.2.1 ISO/IEC 17025:2017, 7.8.2.1 applies.

7.8.2.2 ISO/IEC 17025:2017, 7.8.2.2 applies.

7.8.2.2.1 ISO/IEC 17025:2017, 7.8.2.2 applies with the following additions.

Test results and conclusions shall be summarized, together with any recommendations, in a report format specific to the ISO/IEC 15408 series and ISO/IEC 18045. If test results obtained in the site visits and various tests are different from the expected results, the evaluation laboratory shall report the cause.

7.8.3 Specific requirements for test reports

7.8.3.1 ISO/IEC 17025:2017, 7.8.3.1 applies.

7.8.3.2 ISO/IEC 17025:2017, 7.8.3.2 applies.

7.8.3.3 ISO/IEC 17025:2017, 7.8.3 applies with the following additions.

Evaluation reports shall provide all necessary information to permit the same or another laboratory to reproduce the evaluation and obtain comparable results.

7.8.3.4 ISO/IEC 17025:2017, 7.8.3 applies with the following additions.

Evaluation reports shall meet the reporting requirements of ISO/IEC 15408 series. The evaluation report shall contain sufficient information for the exact test conditions and results to be reproduced at a later time if a re-examination or retest is necessary.

7.8.3.5 ISO/IEC 17025:2017, 7.8.3 applies with the following additions.

Evaluation reports intended for use only by the client shall meet client-laboratory contract obligations and be complete.

7.8.3.6 ISO/IEC 17025:2017, 7.8.3 applies with the following additions.

Evaluation reports that are delivered in electronic form via electronic mail shall be digitally signed or have a message authentication code applied to ensure integrity of the report and the identity of the laboratory that produced the report. Confidentiality mechanisms shall be employed to ensure that the evaluation report cannot be disclosed to anyone other than the intended recipient(s).

7.8.4 Specific requirements for calibration certificates

7.8.4.1 ISO/IEC 17025:2017, 7.8.4.1 applies.

NOTE See Annex A for additional information on metrological traceability.

7.8.4.2 ISO/IEC 17025:2017, 7.8.4.2 applies.

7.8.4.3 ISO/IEC 17025:2017, 7.8.4.3 applies.

7.8.5 Reporting sampling – specific requirements

ISO/IEC 17025:2017, 7.8.5 applies.

7.8.6 Reporting statements of conformity

7.8.6.1 ISO/IEC 17025:2017, 7.8.6.1 applies.

7.8.6.2 ISO/IEC 17025:2017, 7.8.6.2 applies.

7.8.7 Reporting opinions and interpretations

7.8.7.1 ISO/IEC 17025:2017, 7.8.7.1 applies.

7.8.7.2 ISO/IEC 17025:2017, 7.8.7.2 applies.

7.8.7.3 ISO/IEC 17025:2017, 7.8.7.3 applies.

7.8.8 Amendments to reports

7.8.8.1 ISO/IEC 17025:2017, 7.8.8.1 applies.

7.8.8.2 ISO/IEC 17025:2017, 7.8.8.2 applies.

7.8.8.3 ISO/IEC 17025:2017, 7.8.8.3 applies.

7.9 Complaints

7.9.1 ISO/IEC 17025:2017, 7.9.1 applies.

7.9.1.1 ISO/IEC 17025:2017, 7.9.1 applies with the following additions.

The evaluation laboratory shall have a documented complaints process. The laboratory shall investigate any complaints raised and resolve legitimate grievances (such as failing to meet the requirements of the scheme or not meeting the terms of the laboratory's contract with the client) promptly.

7.9.2 ISO/IEC 17025:2017, 7.9.2 applies.

7.9.3 ISO/IEC 17025:2017, 7.9.3 applies.

7.9.4 ISO/IEC 17025:2017, 7.9.4 applies.

7.9.5 ISO/IEC 17025:2017, 7.9.5 applies.

7.9.6 ISO/IEC 17025:2017, 7.9.6 applies.

7.9.7 ISO/IEC 17025:2017, 7.9.7 applies.

7.10 Nonconforming work

7.10.1 ISO/IEC 17025:2017, 7.10.1 applies.

7.10.2 ISO/IEC 17025:2017, 7.10.2 applies.

7.10.3 ISO/IEC 17025:2017, 7.10.3 applies.

7.11 Control of data and information management

7.11.1 ISO/IEC 17025:2017, 7.11.1 applies.

7.11.2 ISO/IEC 17025:2017, 7.11.2 applies.

7.11.3 ISO/IEC 17025:2017, 7.11.3 applies.

7.11.4 ISO/IEC 17025:2017, 7.11.4 applies.

7.11.5 ISO/IEC 17025:2017, 7.11.5 applies.

7.11.6 ISO/IEC 17025:2017, 7.11.6 applies.

8 Management system requirements

8.1 Options

8.1.1 General

ISO/IEC 17025:2017, 8.1.1 applies.

NOTE See Annex B for more information.

8.1.2 Option A

ISO/IEC 17025:2017, 8.1.2 applies.

8.1.3 Option B

ISO/IEC 17025:2017, 8.1.3 applies.

8.2 Management system documentation (Option A)

8.2.1 ISO/IEC 17025:2017, 8.2.1 applies.

8.2.2 ISO/IEC 17025:2017, 8.2.2 applies.

8.2.3 ISO/IEC 17025:2017, 8.2.3 applies.

8.2.4 ISO/IEC 17025:2017, 8.2.3 applies.

8.2.5 ISO/IEC 17025:2017, 8.2.4 applies.

8.2.6 ISO/IEC 17025:2017, 8.2 applies with the following additions.

The management system requirements are designed to promote laboratory practices that ensure technical accuracy and integrity of the security evaluation and adherence to quality assurance practices appropriate to IT security testing. The laboratory shall maintain a management system that fully documents the laboratory's policies, practices, and the specific steps taken to ensure the quality of the IT security evaluations.

8.2.7 ISO/IEC 17025:2017, 8.2 applies with the following additions.

The reference documents, standards, and publications listed in normative references, Annex C and Bibliography shall be available for use by laboratory staff developing and maintaining the management system and conducting evaluations.

8.2.8 ISO/IEC 17025:2017, 8.2 applies with the following additions.

The laboratory shall have written and implemented procedures for evaluation.

8.2.9 ISO/IEC 17025:2017, 8.2 applies with the following additions.

The evaluation laboratory shall possess its own security manual that sets out the procedures and responsibilities to be undertaken by all of the laboratory's staff, to maintain the high degree of security required to protect commercially sensitive information. The security manual shall specify procedures for physical security, personnel security information security.

8.2.10 ISO/IEC 17025:2017, 8.2 applies with the following additions.

The security manual shall further address the means for:

a) identifying and authenticating staff and visitors,

b) access control to the test laboratory premises and the individual rooms within such premises, equipment, cabinets and information,

c) accounting for the movements of test laboratory staff and visitors,

d) periodic audit of the procedures,

e) dealing with security violations,

f) the physical, personnel and procedural aspects of remote or virtual working, and

g) confidentiality and integrity measures to protect commercially sensitive information during all stages of testing away from the test laboratory premises, including transmission of test results back to the test laboratory.

8.3 Control of management system documents (Option A)

8.3.1 ISO/IEC 17025:2017, 8.3.1 applies.

8.3.2 ISO/IEC 17025:2017, 8.3.2 applies.

8.4 Records (Option A)

8.4.1 ISO/IEC 17025:2017, 8.4.1 applies.

8.4.1.1 ISO/IEC 17025:2017, 8.4.1 applies with the following additions.

The laboratory shall maintain a functional record-keeping system that is used to track each security evaluation. Records shall be easily accessible and contain complete information for each evaluation. Required records of evaluation activities shall be traceable to IT security evaluator actions and the applicable assurance activities specified in the associated protection profiles. Computer-based records shall contain entries indicating the date created and the individual(s) who performed the work, along with any other information required by the management system. Entries in laboratory notebooks shall be dated and signed or initialled. All records shall be maintained in accordance with laboratory policies and procedures and in a manner that ensures record integrity. There shall be appropriate backups and archives.

8.4.1.2 ISO/IEC 17025:2017, 8.4.1 applies with the following additions.

There shall be enough evaluation evidence in the records so an independent body can determine what evaluation work was performed for each work unit and assurance activity and can concur with the verdict. Records include evaluator notebooks, records relating to the product, work-unit and assurance activity level records, and client-site records. ISO/IEC 17025:2017, 8.4.2 applies.

8.4.2 ISO/IEC 17025:2017, 8.4.2 applies.

8.4.2.1 ISO/IEC 17025:2017, 8.4.2 applies with the following additions.

The laboratory records shall be retained for the time period of the evaluation scheme's policy. Beyond this requirement, laboratory records shall be maintained, released, or destroyed in accordance with the laboratory's proprietary information policy and contractual agreements with customers.

8.5 Actions to address risks and opportunities (Option A)

8.5.1 ISO/IEC 17025:2017, 8.5.1 applies.

8.5.2 ISO/IEC 17025:2017, 8.5.2 applies.

8.5.3 ISO/IEC 17025:2017, 8.5.3 applies.

8.6 Improvement (Option A)

8.6.1 ISO/IEC 17025:2017, 8.6.1 applies.

8.6.2 ISO/IEC 17025:2017, 8.6.2 applies.

8.7 Corrective actions (Option A)

8.7.1 ISO/IEC 17025:2017, 8.7.1 applies.

8.7.2 ISO/IEC 17025:2017, 8.7.2 applies.

8.7.3 ISO/IEC 17025:2017, 8.7.3 applies.

8.8 Internal audits (Option A)

8.8.1 ISO/IEC 17025:2017, 8.8.1 applies.

8.8.2 ISO/IEC 17025:2017, 8.8.2 applies.

8.8.2.1 ISO/IEC 17025:2017, 8.8.2 applies with the following additions.

In the case where only one member of a laboratory staff is competent in some technical aspects of the program or is the only expert in conducting a specific aspect of the conformance testing, an external audit by an appropriate expert shall be necessary in order to audit this technical aspect.

8.9 Management reviews (Option A)

8.9.1 ISO/IEC 17025:2017, 8.9.1 applies.

8.9.2 ISO/IEC 17025:2017, 8.9.2 applies.

8.9.3 ISO/IEC 17025:2017, 8.9.3 applies.