International Standard

ISO/IEC 18045

Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Requirements and methodology for IT security evaluation

Sécurité de l'information, cybersécurité et protection de la vie privée — Critères d'évaluation pour la sécurité des technologies de l'information — Exigences et méthodologie pour l'évaluation de sécurité

Fourth edition
2026-05

Reference number
ISO/IEC 18045:2026(en)

COPYRIGHT PROTECTED DOCUMENT

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

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).

ISO and IEC draw attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO and IEC take no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO and IEC had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents and https://patents.iec.ch. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

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*, 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 fourth edition cancels and replaces the third edition (ISO/IEC 18045:2022), which has been technically revised.

The main changes are as follows:

— the document has been aligned with changes to the ISO/IEC 15408 series;

— technical changes have been introduced:

— the terminology has been reviewed and updated;

— the work units for each component have been reviewed and updated.

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

The target audience for this document is primarily evaluators applying the ISO/IEC 15408 series and certifiers confirming evaluator actions.

The following can be a secondary audience:

— evaluation sponsors,

— developers,

— protection profile (PP), PP-Module, PP-Configuration, and security target (ST) authors,

— other parties interested in IT security.

This document is not intended to answer all questions concerning IT security evaluation and further interpretations can be needed. Individual schemes determine how to handle such interpretations, although these can be subject to mutual recognition agreements. A list of methodology-related activities that can be handled by individual schemes can be found in Annex A.

This document is intended to be used in conjunction with the ISO/IEC 15408 series.

This document uses bold italic type face to identify special verbs relating to mandatory evaluation activities.

Several governmental organizations have contributed to the development of this version of the Common Methodology for Information Technology Security Evaluations. As the joint holders of the copyright in the Common Methodology for Information Technology Security Evaluations (called CEM), they hereby grant non-exclusive license to ISO/IEC to use CEM in the continued development/maintenance of the ISO/IEC 18045 International Standard. However, these governmental organizations retain the right to use, copy, distribute, translate, or modify CEM as they see fit. More information on these agencies can be found at https://commoncriterialportal.org//cc/copyright/index.cfm.

Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Requirements and methodology for IT security evaluation

1 Scope

This document specifies requirements and the minimum actions performed by an evaluator in order to conduct an evaluation using the criteria and evaluation evidence defined in the ISO/IEC 15408 series evaluation.

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 15408-1:2026, *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 1: Introduction and general model*

ISO/IEC 15408-2:2026, *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 2: Security functional components*

ISO/IEC 15408-3:2026, *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 3: Security assurance components*

ISO/IEC 15408-4:2026, *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 4: Framework for the specification of evaluation methods and activities*

ISO/IEC 15408-5:2026, *Information security, cybersecurity and privacy protection - Evaluation criteria for IT security — Part 5: Pre-defined packages of security requirements*

ISO/IEC/IEEE 24765:2017, *Systems and software engineering — Vocabulary*

Bibliography

[1] IEEE Std 610.12-1990, *IEEE Standard Glossary of Software Engineering Terminology*

[2] RFC 793-1981, *The Internet Engineering Task Force (IETF) - TRANSMISSION CONTROL PROTOCOL*

[3] ISO/IEC 8824-1:2021, *Information technology — Abstract Syntax Notation One (ASN.1)*