

Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 3: Security assurance components (ISO/IEC 15408-3:2022)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN ISO/IEC 15408-3:2023 sisaldab Euroopa standardi EN ISO/IEC 15408-3:2023 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 06.12.2023.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN ISO/IEC 15408-3:2023 consists of the English text of the European standard EN ISO/IEC 15408-3:2023.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 06.12.2023.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 35.030

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EUROPEAN STANDARD

EN ISO/IEC 15408-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2023

ICS 35.030

Supersedes EN ISO/IEC 15408-3:2020

English version

**Information security, cybersecurity and privacy protection
- Evaluation criteria for IT security - Part 3: Security
assurance components (ISO/IEC 15408-3:2022)**

Sécurité de l'information, cybersécurité et protection
de la vie privée - Critères d'évaluation pour la sécurité
des technologies de l'information - Partie 3:
Composants d'assurance de sécurité (ISO/IEC 15408-
3:2022)

Informationssicherheit, Cybersicherheit und Schutz
der Privatsphäre - Evaluationskriterien für IT-
Sicherheit - Teil 3: Sicherheit
Gewährleistungskomponenten (ISO/IEC 15408-
3:2022)

This European Standard was approved by CEN on 20 November 2023.

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**CEN-CENELEC Management Centre:
Rue de la Science 23, B-1040 Brussels**

European foreword

The text of ISO/IEC 15408-3:2022 has been prepared by Technical Committee ISO/IEC JTC 1 "Information technology" of the International Organization for Standardization (ISO) and has been taken over as EN ISO/IEC 15408-3:2023 by Technical Committee CEN-CENELEC/ JTC 13 "Cybersecurity and Data Protection" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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Endorsement notice

The text of ISO/IEC 15408-3:2022 has been approved by CEN-CENELEC as EN ISO/IEC 15408-3:2023 without any modification.

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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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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*.

This fourth edition cancels and replaces the third edition (ISO/IEC 15408-3:2008), which has been technically revised.

The main changes are as follows:

- the terminology has been reviewed and updated;
- the exact conformance type has been incorporated;
- low assurance PPs have been removed and direct rationale PPs have been incorporated;
- PP-Modules and PP-Configurations for modular evaluations have been incorporated;
- multi-assurance evaluation has been incorporated.

A list of all parts in the ISO/IEC 15408 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.

Introduction

Security assurance components, as defined in this document, are the basis for the security assurance requirements expressed in a Security Assurance Package, Protection Profile (PP), a PP-Module, a PP-Configuration, or a Security Target (ST).

These requirements establish a standard way of expressing the assurance requirements for TOEs. This document catalogues the set of assurance components, families and classes. It also defines evaluation criteria for PPs, PP-Configurations, PP-Modules, and STs.

The audience for this document includes consumers, developers, technical working groups, evaluators of secure IT products and others. ISO/IEC 15408-1:2022, Clause 5 provides additional information on the target audience of the ISO/IEC 15408 series, and on the use of the ISO/IEC 15408 series by the groups that comprise the target audience. These groups may use this document as follows:

- a) Consumers, who use this document when selecting components to express assurance requirements to satisfy the security objectives expressed in a PP or ST, determining required levels of security assurance of the TOE.
- b) Developers, who respond to actual or perceived consumer security requirements in constructing a TOE, reference this document when interpreting statements of assurance requirements and determining assurance approaches of TOEs.
- c) Evaluators, who use the assurance requirements defined in this document as a mandatory statement of evaluation criteria when determining the assurance of TOEs and when evaluating PPs and STs.

NOTE This document uses bold and italic type in some cases to distinguish terms from the rest of the text. The relationship between components within a family is highlighted using a bolding convention. This convention calls for the use of bold type for all new requirements. For hierarchical components, requirements are presented in bold type when they are enhanced or modified beyond the requirements of the previous component. In addition, any new or enhanced permitted operations beyond the previous component are also highlighted using bold type.

The use of italics indicates text that has a precise meaning. For security assurance requirements the convention is for special verbs relating to evaluation.

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

Part 3: Security assurance components

1 Scope

This document defines the assurance requirements of the ISO/IEC 15408 series. It includes the individual assurance components from which the evaluation assurance levels and other packages contained in ISO/IEC 15408-5 are composed, and the criteria for evaluation of Protection Profiles (PPs), PP-Configurations, PP-Modules, and Security Targets (STs).

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 15408-1:2022, *Information security — Evaluation criteria for IT security — Part 1: Introduction and general model*

ISO/IEC 15408-2, *Information security — Evaluation criteria for IT security — Part 2: Security functional 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 — Evaluation criteria for IT security — Part 5: Pre-defined packages of security requirements*

ISO/IEC 18045:2022, *Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Methodology for IT security evaluation*

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 15408-1, ISO/IEC 15408-2, ISO/IEC 15408-4, ISO/IEC 15408-5, ISO/IEC 18045 and ISO/IEC IEEE 24765 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

acceptance procedure

procedure followed in order to accept newly created or modified *configuration items* (3.3) as part of the target of evaluation (TOE), or to move them to the next step of the life-cycle

Note 1 to entry: These procedures identify the roles or individuals responsible for the acceptance and the criteria to be applied in order to decide on the acceptance.