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

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This standard includes the English version of the European Standard.

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**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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European foreword

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

Part 3: Security assurance components

*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



Reference number
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Foreword

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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.

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ISO/IEC 15408-3:2022(E)

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*

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