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Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 2: Security functional components (ISO/IEC 15408-2:2022)

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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 2: Security  
functional components (ISO/IEC 15408-2:2022)**

Sécurité de l'information, cybersécurité et protection  
de la vie privée - Critères d'évaluation pour la sécurité  
des technologies de l'information - Partie 2:  
Composants fonctionnels de sécurité (ISO/IEC 15408-  
2:2022)

Informationssicherheit, Cybersicherheit und Schutz  
der Privatsphäre - Evaluationskriterien für IT-  
Sicherheit - Teil 2: Sicherheit funktionale  
Komponenten (ISO/IEC 15408-2:2022)

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

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**EN ISO/IEC 15408-2:2023 (E)**

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## **European foreword**

The text of ISO/IEC 15408-2:2022 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 15408-2:2023 by Technical Committee CEN-CENELEC/ JTC 13 "Cybersecurity and Data Protection" the secretariat of which is held by DIN.

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**Information security, cybersecurity  
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Security functional components***Sécurité de l'information, cybersécurité et protection de la vie  
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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](http://www.iso.org/directives) or [www.iec.ch/members\\_experts/refdocs](http://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*.

This fourth edition cancels and replaces the third edition (ISO 15408-2:2008), which has been technically revised.

The main changes are as follows:

- new security functional components have been introduced.

A list of all parts in the ISO/IEC 15408 series can be found on the ISO website.

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United States	The National Security Agency

## Introduction

Security functional components, as defined in this document, are the basis for the security functional requirements (SFRs) or components expressed in a Protection Profile (PP), PP-Module, functional package or a Security Target (ST). These requirements describe the desired security behaviour expected of a Target of Evaluation (TOE) and are intended to meet the security objectives as stated in a PP, PP-Module, functional package or an ST. These requirements describe security properties that users can detect by direct interaction (i.e. inputs, outputs) with the IT or by the IT response to stimulus.

Security functional components allow for the expression of SFRs intended to counter threats in the assumed operating environment of the TOE and/or cover any identified organizational security policies.

The audience for this document includes consumers, developers, and evaluators of secure IT products. ISO/IEC 15408-1:2022, 5.2, 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 use this document as follows:

- a) consumers, who use this document when selecting components to express functional requirements which satisfy the security objectives expressed in a PP, PP-Module, functional package or ST. ISO/IEC 15408-1:20—, Clause 7, provides more detailed information on the relationship between security objectives and security requirements;
- b) developers, who respond to actual or perceived consumer security requirements in constructing a TOE, will find a standardized method to understand those requirements in this document. They also use the contents of this document as a basis for further defining the TOE security functionality and mechanisms that conform with those requirements;
- c) evaluators, who use the SFRs defined in this document in verifying that the TOE functional requirements expressed in the PP, PP-Module, functional package or ST satisfy the IT security objectives and that all dependencies are accounted for and shown to be satisfied. Evaluators use this document to assist in determining whether a given TOE satisfies stated requirements.

**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 2: Security functional components

### 1 Scope

This document defines the required structure and content of security functional components for the purpose of security evaluation. It includes a catalogue of functional components that meets the common security functionality requirements of many IT products.

### 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, cybersecurity and privacy protection— Evaluation criteria for IT security — Part 1: Introduction and general model*

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

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

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**