# Common Criteria
## ISO/IEC 15408

**DEKRA** On the safe side

# The most widely recognized cybersecurity certification for IT Products

## What is the Common Criteria (CC) Certification?

CC is a Certification Framework to evaluate and certify cybersecurity requirements in IT products, which allows:

▸ **Governments / regulators** or industry consortiums to develop precise and testable security requirements for IT products using a common and standardized language.

▸ **Security Evaluation Laboratories,** to perform independent, comprehensive and exhaustive security evaluations of IT products with a common methodology that produce comparable and repeatable results.

▸ **Product Manufacturers,** to show confidence to consumers in the security capabilities of their product and gain a competitive edge in the global marketplace by using reputed security certification schemes with international recognition.

▸ **Citizens and consumers,** to have a defined level of independent assurance in the security operation of a certified product.

The goal of the Common Criteria framework is to develop confidence and trust in the security characteristics of an IT product and in the processes used to develop and support it.

## Where are CC Certificates Recognized?

CC certificates are recognized by the governments of all country members of Common Criteria Community, thanks to a Mutual Recognition Arrangement signed by 31 countries (at the time of writing).

Other nations, for example China and some organizations may also make use of the ISO/IEC 15408 standards for a certification with different certification schemes than CC Community.

## Where are Common Criteria Certificates required?

Common Criteria certified products are required by governments and enterprises around the world to protect their mission-critical infrastructures.

Common Criteria is usually a pre-requisite for qualified products under the procurement policies of many defense and government agencies in different countries all over the world.

## How is evaluated your product in CC?

At high-level overview, the evaluation in the Lab analyzes the following components of the product:

▸ **Design evaluation.** Evaluation of design documents - at the most basic level this will simply be an interface specification. Depending on the level of the assurance requirements this can include multiple layers of very detailed design specs and source code review.

▸ **Guidance evaluation.** Evaluation of all the guidance documents that are shipped with the product and any CC specific addendum or 'Secure Installation Guide' for achieving the evaluated configuration.

▸ **Life-cycle evaluation.** Evaluation of configuration management practices, delivery procedures and security bug tracking (flaw remediation). Can also include development practices and site security audits.

▸ **Functional testing.** The evaluators repeat a sample of the developer's functional tests and come up with some independent tests to confirm the operation of the security functions as specified.

▸ **Vulnerability analysis / Penetration testing.** The evaluators perform vulnerability analysis and penetration testing trying to break the security functions implemented in the product.

## Certifying your product In CC with DEKRA

We understand that achieving the CC Certification represents a significant investment by our customers. We help our clients to gain a CC certificate as quickly as possible (on time and on budget).

Our evaluation procedures are fully optimized to minimize the impact on our customers' resources. We run fast and smooth evaluations.

## Why DEKRA

CC certificates are recognized by the governments of all country members of Common Criteria Community, thanks to a Mutual Recognition Arrangement signed by 32 countries (at the time of writing).

Other nations, for example China and some organizations may also make use of the ISO/IEC 15408 standards for a certification with different certification schemes than CC Community.

**Common Criteria** is **the most recognized** and comprehensive **IT security standard in the world** that can be used to certify any IT system or device providing security functions.

DEKRA Testing & Certification S.A.U.
Parque Tecnológico de Andalucía
C/ Severo Ochoa, 2 & 6
29590 Málaga - Spain
Tel: + 34 952 61 98 20

wireless.global.es@dekra.com
https://www.dekra-product-safety.com/en/programs/cyber-security