



Successful Certification According to Common Criteria Benefit from our Comprehensive CC Expertise

Common Criteria (CC)

International criteria catalogue for IT security:

To ensure a high degree of information security, the criteria catalogue Common Criteria for Information Technology Security Evaluation offers a uniform international standard.

In practice, the requirements for trustworthiness are summarised in Evaluation Assurance Levels (EAL) and evaluated on a 7-level security model (Level EAL 1 = functionally tested to Level EAL 7 = formally verified design and tested). Defined evaluation methods and documentation serve the testing and assessment of the security of IT systems, products, and applications.

Your PLUS: efficient evaluation and certification

The achelos experts have specific know-how to support customers from various sectors in all project phases. This way you can efficiently master the CC evaluation and successfully certify your product.



Time and cost optimised approach for CC evaluation and certification



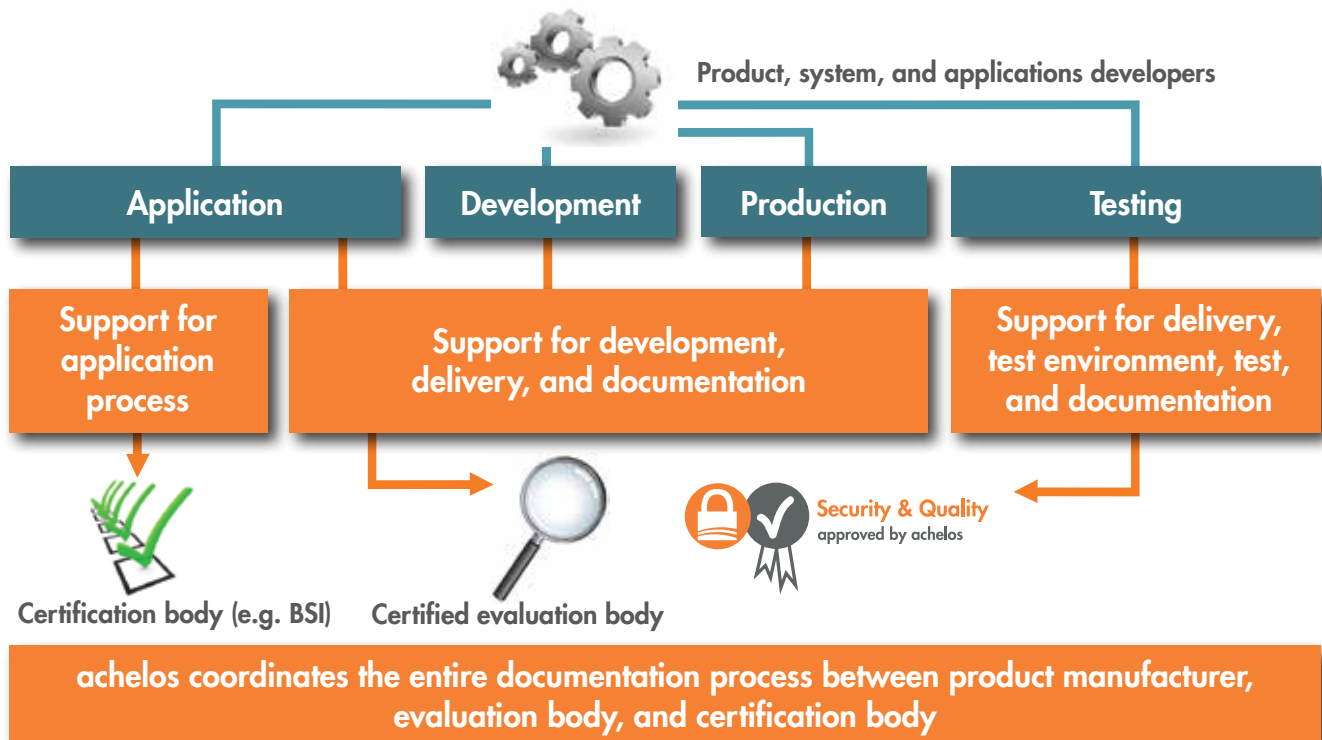
* in cooperation with accredited evaluation body

CC competence in each and every project phase

We provide end-to-end support to manufacturers and developers of product, system, and application throughout the entire Common Criteria process: from application development to production and security testing. achelos is acting independent of manufacturers and is working in close cooperation with accredited certification and testing authorities in the field of evaluation.



Successful CC projects with achelos



Services from achelos for verifiable quality according to Common Criteria

Consulting and Survey

- Analysis and specification of product and security requirements (Security Target: ASE, cryptographic mechanisms)
- Consultation on the application process of certification
 - Selection of the evaluation body
 - Negotiation with the evaluation body
 - Creation of a schedule
- Provide criteria for effective decision making through:
 - Feasibility studies
 - Effort estimation
 - Security Specification
 - Service delimitations
 - Offers
- Selection and commissioning of an evaluation body
- Completion of the application form
- Creation of accompanying documentation

- Security concept for development and production sites
- Hardware security concept

Support of site visits (Audits)

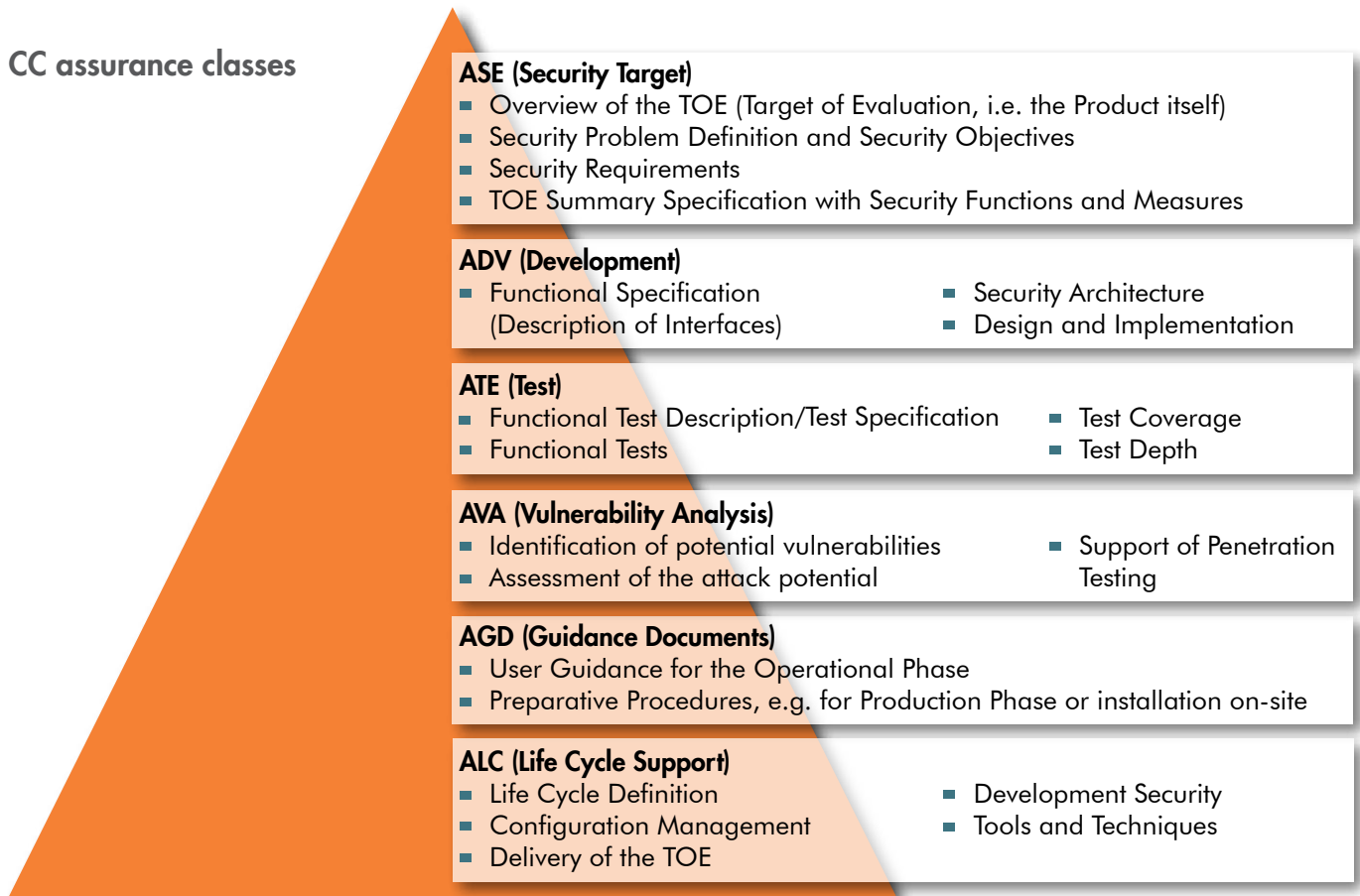
- Professional preparation through internal training and simulated audits
- Monitoring of the auditor's / certification body's audits for efficient certification
- Follow-up of the audit

Product development at CC level (EAL 1 – EAL 7)

- Accompany or complete takeover of the development process, including architecture, design, and implementation in CC-compliant rooms

We have all CC assurance classes under control

CC assurance classes



Test management

- Consulting and support for CC-compliant testing
- Preparation of the test specification
- Implementation and execution of the tests
- Automated test runs
- Logging and error analysis

Creation of CC documentation according to EAL

- Security Target (ASE)
- Development (ADV)
- Test (ATE)
- Vulnerability analysis (AVA)
- Guidance Documentation (AGD)
- Processes, tools, and site security (ALC)

Project management and technical coordination between product manufacturer, production, evaluation body, and certification body

- For whole or partial processes
- At technical level

Trainings and Workshops

- General CC training (introduction to Common Criteria)
- Introduction to the creation of CC documentation
- Explanation of the CC security criteria
- CC aspects for software development and testing

Choose flexibly from our services, we are looking forward to your CC project.



Our Common Criteria references

Here we would like to introduce you to the achelos references in the Common Criteria sector. Please contact us for further details regarding our projects.

CC evaluation: development, testing, and documentation

- German electronic health card (eGK)
- Digital Tachograph
- Electronic ID-cards
- eHealth card terminal
- HSM (Hardware Security Module)

CC consulting, CC documentation, and CC evaluation

- CC evaluation of Smart Meter Gateways, signature application components, network and application connectors
- CC documentation for a customer-specific production site
- Consultation and analysis on the structure and implementation of a Public Key Infrastructure (PKI) in the area of smart metering

Provision of test environment and simulators for

- German electronic health card (eGK)
- eHealth card terminal
- Electronic ID cards

Provision of test suites for the product groups

- German electronic health card (eGK)
- eHealth card terminal (mobile and standard)
- German eHealth Konnektor
- German eHealth primary system
- TLS and IKE/IPsec (security test suite)
- Compliance Tests for eID cards
- Java Card Security (JC Inspector)

Our competences and experiences in Common Criteria

Use our expertise in all project phases and benefit from our professional and experienced team: to ensure successful certification of your products

- Common Criteria trained expert team
- Professional CC consulting, project support, and preparation of the necessary CC documentation
- Extensive know-how and long-term practical experience in development, testing, and CC evaluation
- Expertise in safety-critical segments with legal requirements, e.g. eHealth, eEnergy, eID
- Proven collaboration with various evaluators, evaluation, and certification bodies
- Qumate by achelos: Test platform developed by achelos for CC support
- Development of test suites for ATE and AVA based on Qumate by achelos (e.g. TLS, IKE/IPsec)

Qumate
by achelos

Qumate by achelos:
Innovative test management tool suite
based on Java™ for the quality
assurance and creation of your ATE
documentation.

Further details:

www.achelos.de
www.bsi.bund.de
www.commoncriteriaportal.org

For more information, please contact our CC team:

commoncriteria@achelos.de