



Successful Certification According to Common Criteria Benefit from our Comprehensive CC Expert Knowledge

Common Criteria (CC)

International Criteria Catalogue for IT Security:

To ensure a high security level for information technology, 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 in 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 for an 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 safely and efficiently master the CC evaluation and get a CC certificate for your product.

Time- and Cost-optimised Approach for CC-Evaluation and CC-Certification



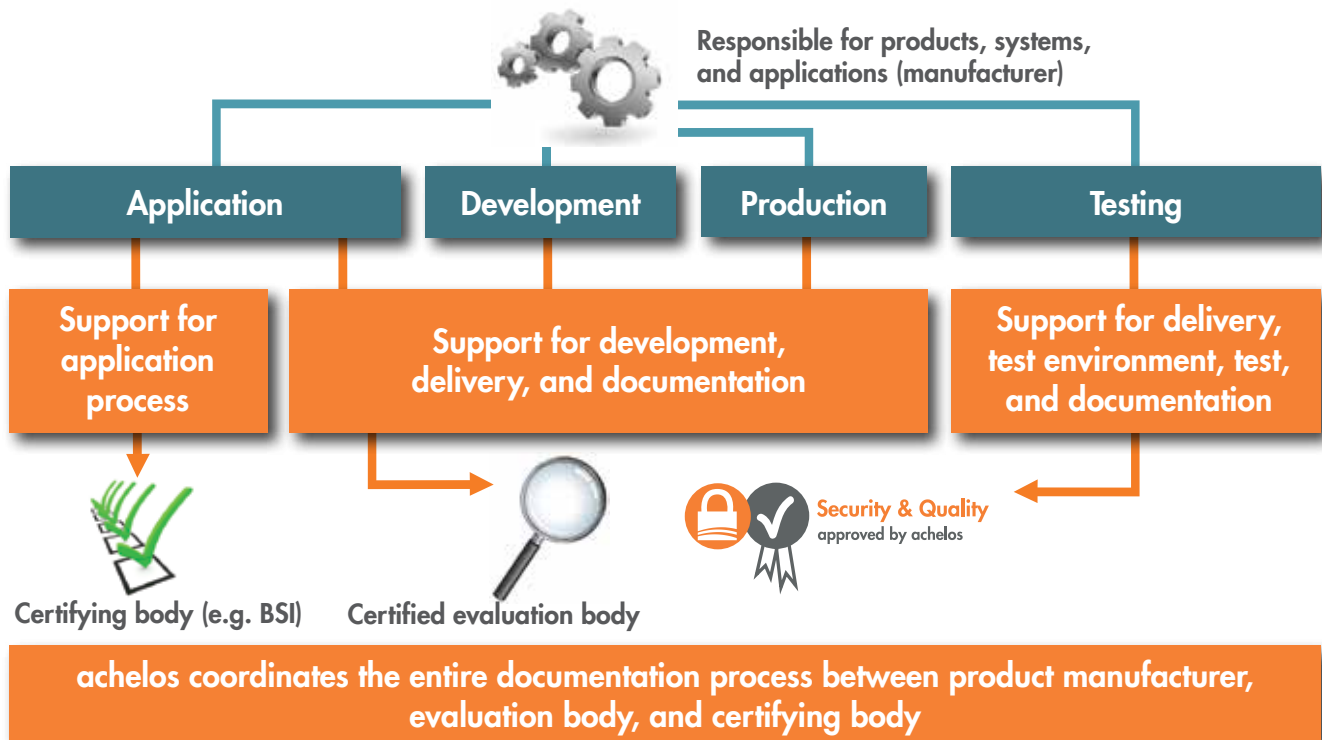
* in cooperation with accredited evaluation body

CC-Competence in each and every Project Phase

We provide end-to-end support to manufacturers and responsible players of product, system, and application developers 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 inventory of product and security requirements (Security Target: ASE, cryptographic mechanisms)
- Advice on the application process of certification
 - Selection of the test center
 - Negotiation with the inspection body
 - Creation of a schedule
- Delivery of qualified decision-making bases
 - Feasibility studies
 - Examinations
 - Security Specification
 - Performance limits
 - 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)

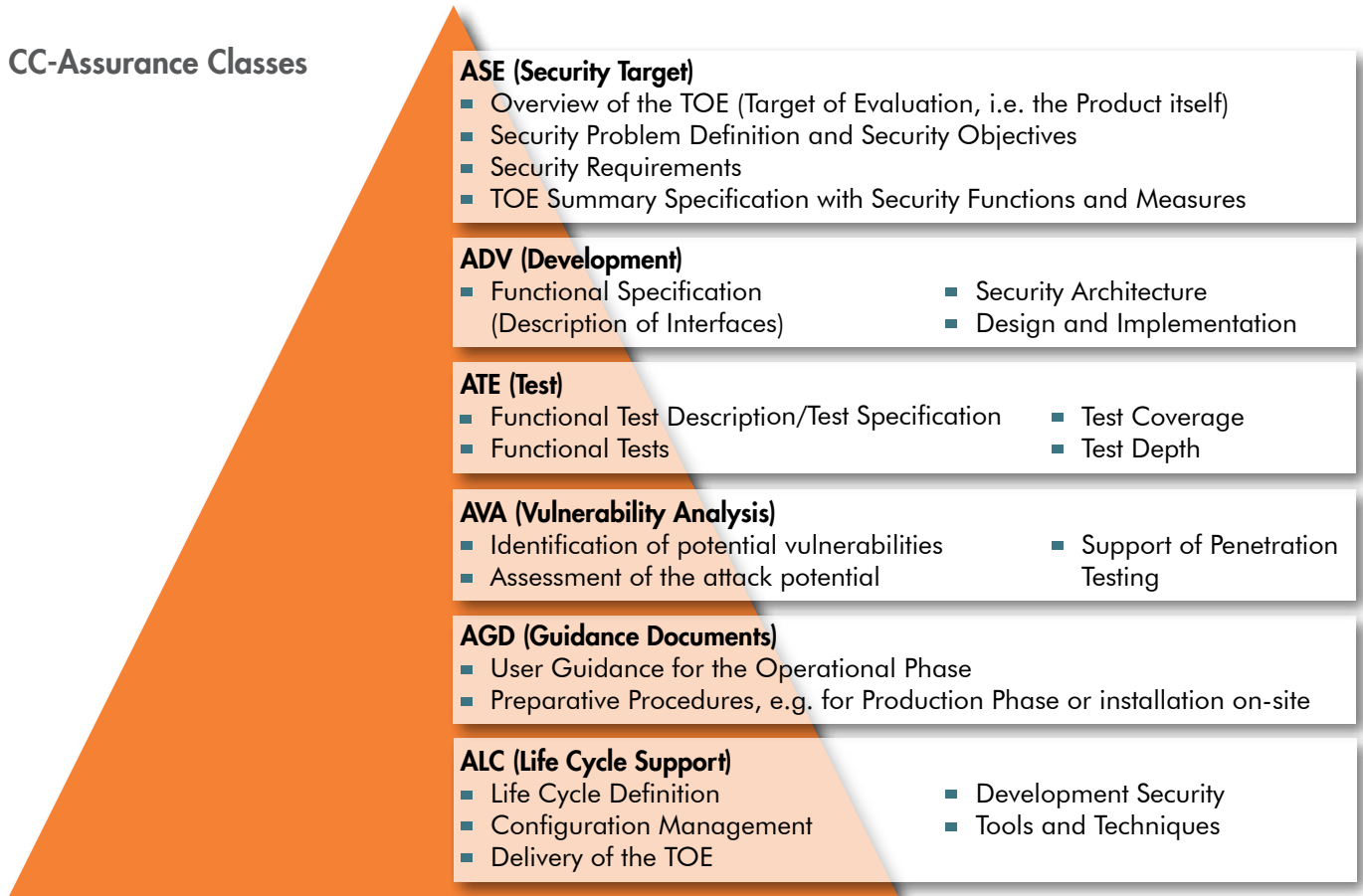
- Professional preparation by internal training and simulated audits
- Monitoring of the auditor's / certification body's audits by achelos for efficient certification
- Follow-up of the audit

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 tests
- 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 Level

- Security Target (ASE)
- Development (ADV)
- Test (ATE)
- Analysis of weaknesses (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 total or partial processes
- On 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, Test, 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
- Consultancy 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 Primärsystem
- TLS and IKE/IPsec (security test suite)
- Compliance Tests für eID cards
- Java Card Security (JC Inspector)

Our Competences and Experiences in Common Criteria

Use our expert knowledge in all project phases and profit from a professional and experienced project realisation with a CC certificate as a result:

- Common Criteria trained expert team
- Professional CC consulting, project support, and preparation of the necessary CC documentation by achelos
- Extensive know-how and long-term practical experience in development, test, 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.Testcenter: Test platform developed by achelos for CC support
- Development of test suites for ATE and AVA based on the Qumate.Testcenter (e.g. TLS, IKE/IPsec)



Qumate.Testcenter:
Innovative testmanagement 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

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