

CYGNACOM CERTIFICATION SERVICES

A Comprehensive Solution to Simplify Certification

As cybersecurity standards evolve and expand, Cygnacom provides a simplified solution: a single partner that leads you through evaluating, documenting, testing and certifying products to a wide range of government and regulatory standards. We bring an unmatched depth of experience and a truly end-to-end consultative approach, helping to eliminate surprises and minimize the burdens and costs of security certifications.



COMMON CRITERIA

Common Criteria Testing Laboratory

Cygnacom is accredited to conduct Common Criteria (ISO 15408) evaluations under U.S., Canadian, and Turkish Schemes.

FIPS 140-2

Cryptographic Module Testing Laboratory

Accredited to test for FIPS 140-2, Security Requirements for Cryptographic Modules, and for testing of approved security functions.

ELIGIBILITY FOR PROCUREMENT

Expert Guidance

Cygnacom can guide your organization through the complex, multi-step process of determining and achieving necessary certifications to remove government procurement eligibility roadblocks.

COMMON CRITERIA SERVICES

Common Criteria Testing Laboratories

Through our multi-site security testing laboratories, Cygnacom is accredited to conduct Common Criteria (ISO 15408) evaluations under U.S., Canadian, and Turkish Schemes. This gives organizations the flexibility to choose an optimal compliance strategy based on business needs.



U.S. Common Criteria Testing Lab

Accredited by the National Information Assurance Partnership (NIAP) to conduct Common Criteria Testing.



Common Criteria Testing Lab

Accredited by the Standards Council of Canada (SCC) under the Information Technology Security Evaluation and Testing (ITSET) program and licensed by the Canadian Certification Body to conduct Common Criteria Testing.



Common Criteria Testing Lab

Accredited by the Turkish Standards Institution (TSE) to conduct common criteria evaluations.

Evaluation Services

Cygnacom evaluation services are individually tailored to client's needs. From vendors going through the process for the first time to evaluation veteran teams looking for rapid certification, we provide the right amount of guidance at competitive prices.

Pre-Evaluation Assessment

Cygnacom security engineers prepare your product and your team for evaluation, including:

- Identifying areas of non-conformance
- Onsite workshops
- Addressing unmet criteria
- Defining the boundary of the Target of Evaluation (TOE)
- Determining Protection Profile (PP) conformance or EAL applicability
- Evaluating applicability of existing documentation

Evaluation & Assurance Continuity

A full range of evaluation and re-certification services, including:

- Standard and Collaborative Protection Profiles
- EAL certifications
- Evaluations specifically tailored to the EU and North American markets
- Concurrent validation of cryptographic functionality
- Testing for FedRAMP compliance

Evaluation Support & Evidence Development

Cygnacom's unique multi-site setup allows simultaneous evidence development and evaluation. The following support services are available:

- Creating evaluation evidence for cPP and EAL-style evaluations
- Consultancy for analyzing, assessing and documenting entropy
- Entropy analysis and writing Entropy Assessment Report (EAR)
- Identifying and addressing Protection Profile conformance issues
- Advocating your point of view to the Scheme
- Project management and planning
- Certification consultancy for future products

FIPS 140-2 SERVICES

Our security testing laboratories are accredited to conduct FIPS 140-2 validations. Our laboratories undergo rigorous inspections and our experts are trained to ensure a thorough understanding of all testing protocols – including maintaining confidentiality and keeping you well informed throughout the entire process.

Pre-Validation Assessment

Cygnacom security engineers prepare your product and your team for validation, including:

- Identifying areas of non-conformance
- Onsite workshops
- Addressing unmet criteria
- Determine applicable validation level
- Defining cryptographic validation boundary
- Conducting physical security on prototype
- Conducting code reviews before integration
- Evaluating applicability of existing documentation

Validation & Support Services

The following validation and support services are available:

- Product validation to the FIPS 140-2 requirements from level 1 through the highest level, level 4.
- Certification consultancy for future products
- Identifying non-conformance issues
- Advocating your point of view to the CMVP
- Algorithm validation and certification
- Consultancy for analyzing, assessing and documenting entropy
- Project management and scheduling of validation activities

ELIGIBILITY FOR PROCUREMENT

Security Certification Consulting & Guidance

Common Criteria (CC) and Federal Information Processing Standards (FIPS 140-2) certifications are related—but are not interchangeable. The certification that your product needs depends on the procurement requirements of the specific federal agency. Cygnacom can guide your organization through this process.

The DoD Information Network (DoDIN) Capabilities and Approved Product List (also known as UC-APL)

The Department of Defense (DoD) maintains a single list of products that have completed security certification. All DoD agencies are mandated by law to purchase products that are on this list. Vendors that intend to sell products to the DoD must go through a complex multi-step approval process that includes FIPS 140-2 and Common Criteria certifications.

A Single Partner to Guide you through the Entire Process

Cygnacom can provide a complete range of consultative expertise and security certification services, including, but not limited to:

- Conducting FIPS 140-2 and Common Criteria certifications
- Developing STIG documentation and consultancy for Commercial Solutions for Classified Program (CSfC)
- Consultancy for JITC testing
- Developing documentation – including preparation of compliant user manuals
- General security consulting
- FedRAMP documentation

WHO WE ARE

Empowering our clients to work efficiently and securely in an expanding digital world.

20+ Years at the Forefront of Information Security

Cygnacom brings more than two decades of proven leadership on standards from Common Criteria and FIPS 140-2 to ISO/IEC 15408 and more.

Comprehensive Security Expertise

Our legacy brings in-depth knowledge across the entire information security spectrum: security policies, development of standards from inception, architectures, implementations, operations, technology and testing at all levels of certification.

Unmatched Experience in Government InfoSecurity

Cygnacom staff average 15+ years of dedicated information security expertise, and have worked with every U.S. government agency and several of the most respected organizations in high-assurance industries.



Our experts are ready to work with you to meet all your security certification needs. Talk to us.

We believe in strong, creative & flexible security solutions.

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