IT Security Product Certification Services

CGI's innovative and high-quality IT Security Evaluation and Test Facilities in Canada, the United Kingdom and the United States provide expert product certification services for Common Criteria, the internationally recognized information assurance process. CGI is proud to be part of the development of this standard and supporting methodology.

KEY SERVICES

Across all of our labs, CGI's system and software testing and accreditation services follow our ISO 9001 quality standards, and include:

- Common Criteria evaluations
- Common Criteria consulting
- FIPS 140-2 validation services for cryptographic modules
- Common Criteria and FIPS 140-2 gap analysis workshops
- Vulnerability assessment
- Penetration testing
- Assurance continuity

CGI's approach leverages close relationships with clients and certification bodies to deliver successful, on-time evaluations. Key features include:

- Time zone proximity to local markets
- Firm-fixed pricing providing cost certainty
- Turn-key certification services including full consultancy capabilities from
- CGI and our trusted partner network
- Technical reach-back capability in which hundreds of local CGI security professionals can be leveraged to drive further efficiencies
- Flexible testing to find the most efficient, cost-effective approach for each client (e.g., remote vs. onsite)
- Dedicated project manager providing a schedule, plan and stakeholder updates.
- Proven methodology with an available workshop to quickly identify potential gaps.

WHAT MAKES CGI A PARTNER OF CHOICE?

- **Deep experience** with Protection Profile-based evaluations.
- **Client satisfaction:** CGI's ISO-9001 certified Client Partnership
- Management Framework continuously engages clients in the successful delivery of their projects.
- **Efficiency and excellence:** All evaluations are recognized internationally for being highly effective.
- **Global scale with responsive service:** CGI expertise in both systems integration and outsourcing provide a deep talent pool and expertise. At the same time, CGI labs are known for client commitment and technical depth, building repeat business from clients who share a leadership position in the industry. We believe responsiveness is the key to a positive experience.
- **Long-term partnerships:** We view product certifications as a long-term partnership with our clients – not just as a one-time project. We engage early to find the right approach to meet your business objectives

CANADA LAB

CGI's IT security lab in Canada offers Protection Profile and Evaluation Assurance Level 2+ (EAL 2+). The Canadian Common Criteria scheme in which our lab operates offers the following advantages:

- **Absence of certification body charges:** Canada's certification body does not charge. In other jurisdictions, a surcharge is imposed on labs and those charges are passed on to the client.

- **Quicker and more efficient certification:** The Canadian scheme features phased reporting throughout the course of evaluations. This ensures that the certification body is fully aware of findings and verdicts by the time a final evaluation report is submitted. Due to this supervision and monitoring by the certification body throughout the process, quick certification decisions are the norm and rework and retesting are rare.

- **Flexibility and stability:** Canada was one of the original six charter members of Common Criteria, and, since 2011, has been a full partner in the FIPS-140 Cryptographic Module Validation Program with the U.S, National Institute of Standards & Technology (NIST). Our FIPS expertise covers a variety of network and virtual security appliances.

U.S. LAB

In the U.S., CGI operates a qualified, accredited and independent evaluation laboratory located within minutes of Washington, D.C., and the Pentagon. Our facility is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and approved for National Information Assurance Partnership/Common Criteria Evaluation and Validation Scheme (NIAP/CCEVS) testing (ITSL lab code: 201001-0). One of only 10 such accredited facilities in the U.S., the lab performs evaluations to determine conformance to the Common Criteria for Information Technology Security Evaluation, International Standard ISO/IEC 15408.

U.S. government buyers are directed to the Product Compliant List for selecting critical information assurance products for their network infrastructure. CGI's U.S. lab provides certifications according to strict U.S. government Protection Profiles for the NIAP. U.S. Approved Protection Profiles are accepted internationally as well, with five separate schemes (U.S., Canada, UK, Australia and New Zealand) participating.

The Department of Defense requires Common Criteria Protection Profile evaluated products as a precursor to Interoperability and Unified Capabilities testing. CGI labs provide this critical IT service for companies seeking Defense Information Systems Agency (DISA) testing and evaluation services meeting the Unified Capabilities Requirements, and pave the way for inclusion on the DISA JITC UC Approved Products List for Network Infrastructure in the Security category.

KEY CGI MILESTONES

- Performed the first stateful firewall evaluation
- First in UK and Canada to list entries on the NIAP Product Compliant List (PCL)
- Successfully completed over 90 FIPS 140-2 validations covering a variety of technologies at levels 1-3+
- Evaluated 9 of the first 10 Protection Profiles to be certified in the UK.
- On behalf of CESG, produced the ISO Preliminary Draft Technical Report (ISO PDTR 15446) Guide for the Production of Protection Profiles and Security Targets.
- In October 2014, became the leading CPA lab, having completed five CPA evaluations and work for leading technology firms.
- Have become some of the world's fastest growing and most active CC and FIPS 140-2 evaluation facilities.

INDUSTRY CONTRIBUTIONS

- Was heavily involved in developing the CC standard and responsible for development of the assurance maintenance scheme now subsumed into the current Assurance Continuity process.
- Wrote the SYSn methodology, the SYSn scheme along with the Fast Track Assessment Scheme, and pioneered the use of Assurance Maintenance Plans. Many key elements have carried forward into CTAS.
- Contributed to several ISO technical working groups and technical security communities
- Participated in several Technical Rapid Response Teams influencing key technical interpretations
- Delivered presentations, best practices and lessons learned at international security conferences (ICCC and ICMC).

Our U.S. and Canada labs also share experience and expert evaluator support, while operating autonomous certification laboratories for companies seeking certifications in either scheme.

UK LAB

In the UK, CGI is the only accredited test lab approved by CESG, the UK Government's National Technical Authority for Information Assurance, that currently is able to perform Common Criteria (CC), Common Criteria Tailored Assurance Scheme (CTAS), Commercial Product Assurance (CPA) security evaluations and CESG Assured Services (CAS).

- **The CESG Certification Mark** is awarded to products that successfully meet CESG Security Standards. Clients and data owners can have confidence that CESG certified products will perform their stated security function.

- **CTAS** is intended to provide assurance for a wide range of Her Majesty's Government, Ministry of Defence, Critical National Infrastructure and public sector customers procuring IT systems, products and services, ranging from simple software components to national infrastructure networks. The purpose of CTAS is to provide a more focused evaluation which answers the specific assurance questions and concerns posed by the system accreditors, typically at the pre-deployment stage.

- **CPA** ensures products satisfy CESG's specific requirements enabling them to be used for protecting information at the official level. This streamlined approach makes it easier for data owners to assess what level of security is required and, by extension, which products are suitable for their requirements. For certain products, it is possible to "top-up" a CC evaluation to enable a product vendor to achieve CPA certification. CGI is able to act as a one-stop-shop for CC and CPA certification.

- **CAS** provides an approach to gaining confidence in the security of commercial information assurance and ICT services. Services are assessed against predefined service requirements which define CESG Standards for Specific Service Types.

These accreditations are the latest in a long line of schemes in which CGI has invested. Our UK lab has launched a new scheme specifically for protecting and monitoring government devices, and providing feedback on their results.

OUR COMMITMENT TO YOU

In CGI's experience, nearly all products tested need varying degrees of remedial work before successfully passing evaluation. CGI can identify vulnerabilities and other security-relevant issues that must be fixed before a certificate is awarded, which in turn reduces the risk for clients and data owners.

As a major industry player with global reach, we bring technical depth to resolve any issues. Our labs are built upon repeat business from satisfied clients that are also leaders in our industry. Discover why CGI is becoming the vendor of choice for evaluations and certifications.

CGI AND CYBERSECURITY

CGI's security test facilities provide both professional and security related services, supported by a global network security operation centers. This network allows us to respond to cyber threats whenever and wherever they emerge, using expertise and insight gathered from across the globe. This multinational presence also means that we can provide local responses, where we can be sensitive to the particular business and legal environment.

ABOUT CGI

Founded in 1976, CGI is a global IT and business process services provider delivering high-quality business consulting, systems integration and managed services. With 65,000 professionals in 400 locations, CGI has an industry-leading track record of delivering 95% of projects on-time and on-budget, aligning our teams with clients' business strategies to achieve top-to-bottom line results.

For more information, about CGI, visit www.cgi.com or email us at info@cgi.com

CGI lab codes
- U.S.: 201001-0 (Common Criteria Testing)
- Canada: 200928-0 (Cryptographic and Security Testing)