

TESTING CENTER OF EXCELLENCE

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CSC's Centers of Excellence help clients explore state-of-the-art solutions with minimal up-front investment for the client, leveraging CSC's top talent to maximize innovation and results. Each Center has a designated facility and staff who demonstrate and deliver solutions and evaluate products, methodologies and concepts.

The **Testing Center of Excellence (CoE)** offers Independent Validation and Verification (IVV) services to CSC's customers who want to improve business user / customer satisfaction with application quality and reliability and improve agility of applications to business demands with minimized cost of delivery and ownership.

The Testing COE offers third-party Independent Verification and Validation services spanning across verticals and industries – functional testing (including test automation) for custom applications, enterprise validations (SAP, Oracle Apps and PeopleSoft), non-functional testing (performance and compliance), specialized validations (SOA testing, security testing, embedded testing, gaming, etc.) and IVV consulting.

Our specially designed solution accelerators provide our clients with substantial productivity and time-to-market benefits. The Center's in-house tools for automation such as GRAF (Generic Reusable Automation framework) and CAT (CSC Automation Tool) improve productivity and reduce maintenance cost of automation programs. Proven client benefits include:

- Faster progression towards test automation
- Compatibility with off-the-shelf automation tools achieving increased and reliable degree of automation
- Minimal dependency on programming language knowledge for scripting
- Ease of script maintenance
- Increased reusability

Partnering with leading vendors such as IBM Rational, HP Mercury, Compuware and niche providers like Worksoft and iTKO, the Testing Center is able to offer competitive pricing and technical collaboration. The team has expertise on industry standard tools across various genres – both commercial and open source.

The Center also hosts dedicated test automation labs for carrying out "proof of concept" projects and building competencies on automated testing across various technologies and industry-specific applications. Our testing strategy is based upon optimization of the test process with Quantitative Test Process Management techniques thereby increasing testing efficiency, ultimately delivering cost advantages.

To facilitate skills growth, CSC's Testing CoE established the IVV Academy, a dedicated training and competency center. The CoE can provide testing-related training and specific project-related training for testing teams.

“The Testing Center of Excellence has evolved as a body that focuses on designing, developing and disseminating the foundation and capabilities concerning software testing. This will enable CSC to focus on improving business performance and optimize enterprise applications by offering Independent Validation and Verification Services to its customers and to CSC internally.”

— J.S Samuel,
Director - Testing
Services, CSC

CSC Testing CoE services are ideal for clients who:

- Want to build centralized quality and control of testing processes across the domain of their testing groups.
- Face quality challenges with unplanned application downtime caused by production defects.
- Find their testing cycles too long; have not realized benefits possible with the adoption of ASQ tools.
- Have difficulty retaining appropriately skilled personnel and find their business personnel spending more time testing than on their core function.

CAPABILITIES

CSC's Testing Center of Excellence offers standardized test processes with end-to-end testing capabilities:

Basic Validation Services

Functionality Testing, Business Process Testing, User Acceptance Testing, Performance Testing, Load and Stress Testing, Scalability Testing

Specialized Services

Mobile , Wireless, Embedded, ISV, ERP, Web Application Security, Web Services, Usability, Data Warehouse Testing, Accessibility and Compatibility, Infrastructure

Test Automation Services

Tool Evaluation, Tool Configuration, Automation Strategy Development, Test Automation Framework Development, Automated Scripting, Regression Pack Maintenance

Test Consulting Services

Portfolio Assessment, Process Consultancy, Test Maturity Assessment, Test Process Improvement, TCoE Implementation

Leverage the IVV Advantage

CSC's Testing Center of Excellence serves as a one-stop-shop for our client's testing needs and ensures that clients achieve better results:

Minimized cost of application delivery and ownership, improved agility of Applications to business demands, improved quality of software and freed up client resources for more strategic endeavours within their organization.

RESOURCES

The CSC Testing CoE has 2000+ dedicated testing professionals with expertise on various tools and technologies that cross all domains. These professionals deliver value-add services to CSC's clients through high-test coverage levels, greater reliability, shorter testing cycles, and leveraging automated tools. Large pools of the TCoE resources are certified with industry standard testing / quality certifications.