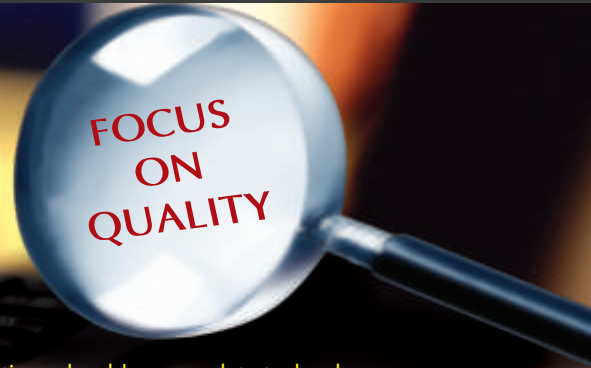


# Best Practices for Outsourcing Software Testing



The growing complexity of modern applications combined with increased competitive pressures and skyrocketing costs of application failure have catapulted the need for testing to new heights. However, most IT organizations lack clearly defined, repeatable testing processes as well as the right tools to run their QA business. In addition, the blend of automated, manual, in-house and offshore testing further complicates the QA picture.

Effective testing solutions should encapsulate technology and tool experts using a framework based approach comprising of reusable components utilizing automated tools. Our optimized QA strategy ensures lower testing costs, reduced time-to-market, improved testing processes and ultimately improved quality. Research and surveys indicate that Independent (3rd party) QA/ testing leverages the quality level and reduces the risk of production failure.

## Visionet's Quality Center of Excellence (QCoE)

- Functional Testing:** Quick Test Professional, eTester (ETS), WinRunner, Test Complete and Rational Robot
- Test Case and Defect Management:** Mercury Test Director/HP Quality Center, Bugzilla, PVCS Tracker
- Performance/ Load/ Stress Testing:** Mercury LoadRunner, eLoad (ETS), OpenSTA, WAPT and WebLoad
- Configuration Management:** Microsoft Visual SourceSafe (VSS), Subversion (SVN)

### Functional Testing

Reduced Human Error and efforts in Test Execution per iteration due to automation.  
Test Automation scripting for functional requirements mapping to defects.  
Platform based test execution capability.

### Regression Testing

Apply domain and technical expertise to access and localize overall impacts due to changes.  
Automation scripts for business critical Regression Test Sets (RTS) reduce testing cycle time.

### GUI Based Testing

Interface verification according to domain/industry applicable standards.  
Verification of Navigational flow as per business

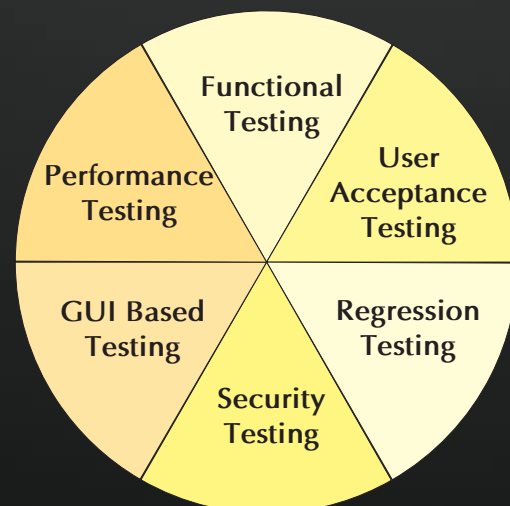
### Security Testing

Complete end-to-end security testing strategy for different environments.  
Verify Authentication, Authorization and Auditing at different levels.

### User Acceptance Testing

Complete Traceability from user requirements to defects.  
Ensure stability and reliability in intended environment.  
Ensure zero defects in critical systems.

### VSI's approach to quality / testing challenges



### Performance Testing

Perform testing on the expected live load during development.  
Measure performance levels for load/stress before moving to

## VSI QCoE Components



### Customer Remarks

VSI QA team has been successfully helping support many of the ongoing Liz Projects including Mexx. They have been proactive and flexible in all aspects of Quality Assurance. Their team is very detailed and thorough in testing all project deliverables which ensures system stability. They played a vital part in our integration testing effort through their knowledge on the subject matter.—QA Manager, Liz Claiborne Inc.

Working with VSI QA team has left a great impression on us of the overall QA talent they possess. We are impressed with their ability to: implement top quality processes while delivering on time and maintaining application quality beyond our expectations. —Director Projects, a fortune 500 company.

### We Can Help You

- Speed up the testing cycle and reduce your products' time-to-market
- Lower testing cost with our efficient and reliable onsite/offshore model
- Improve customer satisfaction with higher product quality
- Reduce cost for product development, maintenance and technical support
- Provide independent verification on both the products and the necessary tools

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...Bringing Your IT Vision To Reality

Our development centers have a well-developed delivery process, which is ISO 9001 and CMMI level 3 certified. Our QA teams are able to achieve better results because they are loaded with testing tools and testing specialist which help them perform extensive testing as per giving functionalities and the industry standards. QA team contains engineers with industry exposure so they can verify both implicit and explicit requirements.

- Our work process and management technology result in greater predictability, higher productivity and fewer disruptions to your business and reduced level of risk.
- A dedicated team of Test Engineers with a Team Lead and an experienced QA Architect.
- We select and present the most appropriate team based on your business and technical needs.
- Testing results are available through web based bug tracking tool.
- Daily activity reports and weekly status meetings with our QA team & QA Lead ensure we are delivering according to our plan.
- Tight synchronization with your development team means reduced cycle times and faster deployments.
- Scale up capabilities to simulate high loads to improve performance.
- Configuration Management according to CMMI guidelines.
- To avoid occurrence of any critical issue during deployment; we perform testing activities in our secure

#### Programming Language

ASP, ASP.Net, C#, VB, JAVA

#### Scripting Language

Python, Perl, Shell Scripts, PHP, ASP, JavaScript, VB Script

#### Web Technologies

J2EE, XML, EJB, JMS, SOAP, WebMethod Suite

#### Application server

WebSphere, JRun, Weblogic, JBoss, Apache, IIS, Tomcat, WebMethod IS Server

#### Database

Oracle, MySQL, Microsoft SQL, Postgres, Sybase, Microsoft Acc