

# Quality Assurance Strategies

Slash Testing Costs 30% to 50%

The risk of changing how IT is developing and testing applications holds some leaders back. But the real risk is continuing to spend significant budget eliminating defects in production where their impact can be far reaching and much more costly. To meet speed-of-business demands while dealing with shrinking IT budgets, something must change.

Ciber puts quality first to lower risk, to gain development speed while lowering project costs, and ultimately to achieve better quality software products.

Lower risk

Quality first

Release software  
4X - 8X faster

Combine test  
automation and  
optimization

Increase ROI

## Client Quotes

*Test automation increased our production releases by 5 times what we have previously release per year – from 8 to 40.”*

- Robert Long Vice President, IT, Del Monte Foods

*“Thanks to Ciber we have saved time and money releasing more than 50 production builds without a major defect.”*

- Rhonda Nielsen, Systems Specialist, Dakota County (MN)

## Analyst Quote

*“Ciber is taking a consulting approach to software testing and quality assurance, and is backing its consulting approach with tools such as its proprietary Intent, Context and Evidence (ICE) methodology to limit the test execution effort. ICE helps understand what needs to be tested in a given application.”*

- Dominique Raviart, IT Services Research Director, NelsonHall

## Testing Trends

>40%

of firms planning to implement DevOps tools and processes soon

Source: Businesswire

45%

Nearly half of Fortune 1000 companies are building – or have plans to build – a Testing Center of Excellence.

75%

of enterprises to implement test automation by 2020

Source: Gartner

## Quality Assurance and Testing Recommendations from Ciber:

Quality-first approaches find and eliminate defects early when cost per defect is lowest, and enable developers to test drive designs and to automate their test cases.

Outcome-driven cost optimization, even in testing, trumps across the board cost cuts that studies have shown will destroy adaptability and growth.

A methodical approach to test data creation recognizes the inconsistency and missing combinations in production data, and eliminates guesswork about test coverage.

Using and integrating cloud-based toolchains saves time and allows development teams to focus on adding value and enhancing business experience.

| Unique Approaches  | Results  |
|--|--|
| Proprietary Conditional Test Model and Optimal Pathing Methodologies | <ul style="list-style-type: none"> <li>No severity 1 product defects in last four years (approx. 50+ cycles)</li> <li>Maximized test coverage with just enough test cases saves 60% to 85% in test maintenance costs</li> </ul>  |
| Script-less Automation Frameworks                                    | <ul style="list-style-type: none"> <li>Test automation increased manual production releases per year by 5X from 8 per year to 40 per year</li> <li>Test Automation collapses Test Cycle time from 30 person days to 2</li> </ul> |
| Test Optimization  | <ul style="list-style-type: none"> <li>Reduces project testing costs by 40% to 50%</li> </ul>  |

# Enterprise Quality Assurance and Testing Center of Excellence Services

## Discovery Workshops

- Testing – Volume, Automation, Load,
- Mobile Testing Readiness
- User experience

## Assessments

- User Experience Effectiveness
- Test Data Management
- Mobile AppDev and Testing
- Test and Release Automation

## Pilots and Projects

- Software Development Engineering in Test
- Implement Test Automation
- Mobile Testing Programs
- Software Factory Enterprise Testing Integration

## Managed Services

- Application Modernization
- Enterprise QA and Testing
- Develop and Maintain Software Products
- Business Transformation PMO and Operational PMO

## Partner with Ciber to improve application quality

- Reduce testing costs 30%-50%, while releasing 4X-8X faster
- Collapse test cycle time over 90%, while reducing overall resources
- Create broader coverage with test optimization while using fewer test cases – slashing maintenance costs 60%-80%
- Early defect detection reduces application time-to-market by 25%
- On average test data management decreases production bugs by 20%.

Combining unmatched expertise and innovation with a client focus, Ciber assures your testing initiative establishes quality as a foundation for your development processes.

Ciber helps clients achieve higher quality through a combination of quick wins and incremental improvements, all while targeting long-term strategic goals. With Ciber's reusable templates, methods and accelerators refined through hundreds of real-world engagements and frameworks to promote speed, reuse, ease of maintenance and rapid defect isolation, Ciber ensures measurable results and a focus on continuous improvement. capacity services.



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