



# Delivering World Class IT Consulting, Solutions and Managed Services

Innovative | Valued | Consistent | Reliable  
Cloud and On Premise Solutions



## ABOUT RADIXBAY:

- Founded April 1, 2013
- Locations:
  - Headquarters  
Charlotte, NC
  - Rural Delivery Center  
Tabor City, NC
- 50+ Customers
- 100+ Projects

## RADIXBAY TCOE

- An organizational structure designed to provide high quality testing services
- A specialized team of testing and QA experts
- Project-proven testing tools, technologies, automations and best practices

## SUPPORT MODELS:

- **Testing Enablement Services**  
RadixBay builds a test environment that includes a robust, repeatable testing framework that we turn over to your team
- **Testing Support Services**  
Our dedicated team of testing professionals maintains your testing environment and assumes total ownership of your test case executions

## RadixBay's Testing Maturity Model

The RadixBay TMM is a purpose-built analysis framework that evaluates an organization's overall testing performance. RadixBay's TCOE team combined their internal expertise with knowledge gained from client application testing projects to document a set of industry standard best practices. The team leveraged the traditional maturity model concept to develop an assessment methodology and define a broad range of universally applicable evaluation metrics.



## Expert Analysis and Advice to Improve Your Testing Capabilities

RadixBay's TCOE team uses the Testing Maturity Model as a framework to evaluate the client organization's testing effectiveness and adherence to industry best practices. Senior TCOE team members conduct interviews with selected representatives from the client's business, application development, and testing teams.

The output is a detailed description and qualitative analysis of the organization's current state of testing capabilities and effectiveness and includes recommendations for improvement. The assessment enables clients to quickly address areas of improvement and develop action plans for future enhancements to their testing architecture.

## TMM Assessment Benefits

- Reduce Overall Testing Costs
- Improve Development Process Quality
- Lower Implementation Risk
- Accelerate Innovation
- Reduce Development Times
- Increase Staff Efficiency
- Implement Industry Best Practices
- Deploy Advanced Testing Tools, Scripts and Automations
- Leverage Advice from a Team of Application Testing Experts
- Better Identify, Trend, Document and Correct Software Defects
- Improve Collaboration to Reduce Code Conflicts and Data Sharing Issues

## RadixBay TMM Assessment Criteria

The TMM organizes the criteria into the evaluation categories provided on the following pages. Please note that the criteria shown below is a sampling of the evaluation metrics in RadixBay's Testing Maturity Model Framework.

## Management Commitment

Evaluates upper management's commitment to fostering high-quality testing initiatives.

**Sample criteria:** The creation of specific job roles, responsibilities, hierarchies and organizational structures for testing personnel, distributed vs centralized testing teams, the willingness to invest in testing tools and training.

## Testing Infrastructure

Products and processes that support testing activities.

**Sample criteria:** Test script and automation procedure repositories, check-in/check-out procedures, test script and automation procedure peer reviews, creation and optimization of a testing target operating model which includes testing processes, methods, tools, RACI matrix, and communications.

## Business Requirements

Evaluates the quality of business requirement gathering, test plan integration and post-testing quality review processes.

**Sample criteria:** Business requirement gathering, test case integration, post-testing analysis of process effectiveness.

## Test Plans

Focuses on test plan development, execution and optimization.

**Sample Criteria:** Test plan development, evaluation, optimization, and ongoing peer reviews.

## Test Case Development

Covers all aspects of the test case development, execution and optimization process.

**Sample criteria:** Test case development responsibilities, types of test cases (positive/negative, valid/unexpected conditions), test case groupings, and prioritization.

## Business Involvement

Analyzes the quantity and quality of business unit involvement in testing activities.

**Sample criteria:** Level of business involvement in test strategy design, test case development, and User Acceptance Testing.

## Training

Evaluates the organization's training curriculum and testing personnel training requirements.

**Sample criteria:** Management commitment to training, curriculum design, courseware available, new testing course evaluation activities, and employee training requirements.

## Test Environments

Focuses on test environment systems.

**Sample criteria:** Types of testing environments (Dev, Test, QA, etc.), how the organization defines and enforces their usage, test data management and refresh procedures, change management guidelines, scheduling and workflows (migration between systems and production implementation).

## Testing Best Practices

Focuses on the evaluation, selection, integration, and optimization of testing best practices.

**Sample Criteria:** How testing personnel identify potential best practices and evaluate their benefits, centralized documentation storage procedures, peer reviews, adherence, and enforcement processes.

## Test Resources

Covers all aspects of human resource management including organizational structures, reporting hierarchies, testing responsibility assignments, and employee reviews.

**Sample criteria:** How the organization assigns testing responsibilities to groups and individual personnel, organizational structures (centralized team vs distributed), team skills, reporting hierarchies and inter and intra team communication and information sharing.

## Test Management and Defect Tracking

Evaluates test management and defect tracking tools.

**Sample criteria:** Test management and defect tracking tools currently in use, scope of availability (enterprise-wide, departmental or individual team), tool usage guidelines and enforcement and new tool evaluations.

## Standards

Evaluates the organization's development and enforcement of testing standards.

**Sample criteria:** Covers all aspects of testing standard development, implementation, enforcement and optimization. Criteria ranges from adherence to industry standards and initial guideline design to utilization, enforcement and continuous improvement activities.

## Automated Testing

Focuses on testing automation tools and scripts available for use.

**Sample criteria:** Automation tools and scripts currently in use, scope of availability (enterprise-wide, departmental or individual team), tool/script usage guidelines and enforcement, new tool evaluations and script development processes.

## API Testing

Covers API testing processes.

**Sample Criteria:** Developing API specific test cases, selecting input criteria for testing, leveraging automation products for API testing and API testing process quality evaluations.

## Application Specific Testing

Evaluates the scope and effectiveness of application specific testing procedures.

**Sample criteria:** Design, development, and optimization of application specific testing strategies, test plans, test cases and criteria.

## Cross-Browser Testing

Analyzes the organization's cross-browser testing activities.

**Sample criteria:** Browser selection, design, development and optimization of browser testing strategies, test plans, test cases and criteria.

## Mobile Testing

Focuses on the organization's mobile device testing activities.

**Sample criteria:** Mobile OS, hardware and release selection, design, development and optimization of mobile device testing strategies, test plans, test cases and criteria.

## Test Data Security

Covers all aspects of securing data in test environments.

**Sample criteria:** Security guideline development, and enforcement, security team involvement, data masking and obfuscation policies, test environment security privileges, securing data refresh processes and work files and test environment security monitoring and auditing.



## RadixBay's Testing Center of Excellence (TCOE)

RadixBay's TCOE offering is a robust, end-to-end testing service that helps organizations to improve testing outcomes and reduce costs. From creating initial test strategy and test plan documentation to test case execution and defect management, RadixBay's TCOE services cover every aspect of the testing process.

Based in our rural shore delivery center in Tabor City, North Carolina, RadixBay's TCOE offers quick access to a team of testing and QA professionals that provide the expertise, tools, and industry-leading testing techniques our clients need to ensure their applications are high quality and ready for production implementation.

From small projects to enterprise-wide software implementations, RadixBay clients can rest easy knowing that a team of TCOE specialists is integrating project-proven best practices throughout every step of their application testing lifecycle.