

# Software Test Management, Planning, and Measurement



Learn how to achieve a consensus on important test strategy issues such as resource allocation, risk prioritization, automation, and more. This course is appropriate for Test Managers, Test Leads, and experienced testers tasked with developing testing strategy for their organization.

- Discuss the importance of corporate culture and the economics of test and failure
- Learn proven test planning methods and techniques
- Learn to create customized Master Test Plans and Level-specific plans
- Explore the issues that affect the test strategy
- Discover a practical risk analysis technique to prioritize your tests
- Examine methods for measuring the test effectiveness of your organization
- Learn a set of estimating techniques to assist in your test planning

## The Appropriate Test Strategy is Key

Test planning is essential to the success of any testing effort, but what really matters is the thought process used to create the test plan rather than the document itself. Communications and agreements reached during the creation of the test plan ultimately determine the success of the testing effort. This course focuses on how to achieve a consensus on important test strategy issues such as resource allocation, scheduling, risk prioritization, exit criteria, automation, etc.

## A Proven Approach to Measurement

While good planning is vital, measuring our ability to execute those plans is equally important. This course presents the characteristics of good metrics, how to select the ones helpful for your project, and how to create a dashboard to track your execution of your plans. In addition, it presents a number of estimation techniques helpful in the planning process.

## Who Should Attend?

This course is appropriate for Test Managers, Test Leads, experienced testers, and Project Managers who are concerned with developing a testing strategy for their organization. It is software methodology agnostic and focuses on the key thought processes necessary for planning, measuring, and estimating testing.

## Course Outline

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### Testing and Quality

Quality & Testing  
Economics of Failure  
Software Lifecycles  
ISTQB Testing Principles  
Testing Levels

### The Test Manager

Leader  
Communicator  
Politician  
Salesperson  
Technician  
Detective

### Test Teams

### Test Case Design

Black Box Testing  
Equivalence Class Testing  
Boundary Value Testing  
Decision Table-based Testing  
State-Transition Diagram-based Testing  
Exploratory Testing

### Execution Management

Test Logs  
Status Reports  
Retrospectives

### Metrics

Attributes of Good Measures  
Software Measurement

Tester's Concerns  
Test Team Organizations  
Characteristics of a Good Tester  
Staff Development Techniques  
Certifications

**Master Test Plan**

Details of the Master Test Plan  
Why Planning is Not Successful

Common and Uncommon Metrics  
The Human Element  
Measuring Testing Effectiveness  
Establishing a Testing Dashboard

**Estimation**

Why Estimates are Inaccurate  
Test Estimation Techniques

**Tools**

Tool Implementation Issues  
Tool Categories  
Manager's Role in Tool Implementation

**Price:** \$1495