

Practical Test Management

4 Days



Course Overview

This 4 day course provides delegates with practical test management skills, using a hands-on approach based on group exercises and discussions. At the end of the course delegates should be confident in their ability to apply best test management practices on their own projects.

The course introduces delegates to the most important test management skills by following the test management for an example project from initial development, planning, day-to-day management and, finally, managing the ongoing testing of the operational system. A risk-based approach is emphasized, based on industry best practice, supported by the latest international standards, but always providing a pragmatic insight into test management.

Owing to its interactive nature, each course has a practical maximum of 12 delegates.

It is expected that delegates to this course will have prior experience of working on IT projects, and may come from a variety of backgrounds (e.g. test analysts, project managers, and developers). The course is intended as both an introduction to best practices for those new to test management and a refresher for those more experienced test professionals to the current state of industry thinking.

Course Objectives

- To understand the 'tools' required for management and monitoring of the testing process.
- To appreciate the different resources to be managed for each testing phase / stage.
- To appreciate the issues to be addressed when managing a change of requirements or test failure.
- To understand the factors involved in compiling the test completion report.

Who Should Attend?

Intended for those who will be involved in:

- Overall management of the test process.
- Control and monitoring of stage(s) within the test process.
- Managing Incidents.

Syllabus – Key points

The course will cover the following aspects of practical test management:

- **Test management in an organizational context**
 - Policy
 - Organizational test strategy
 - Testing within the organizational structure
 - Aligning with a customer's test policy and strategy
- **Test management in a project and life cycle context**
 - Relationship of test management to project management
 - Matching test approaches to different life cycles (e.g. sequential, iterative and agile)
 - Development vs. maintenance projects
 - Dealing with emergency changes
 - Project versus specific test phase activities
- **Test planning**
 - Building test plans (master/project and level test plans)
 - IEEE 829 & ISO 29119
 - Defining the project test strategy
 - Selection of test techniques, test types and test completion criteria
 - Engaging stakeholders
 - The effect of regulatory standards
 - Estimation & scheduling
- **Test resourcing**
 - Tester skills profiles and test teams
 - Outsourcing & offshoring

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- **Reporting**
 - Reporting methods and communication styles
 - Test status, test summary & test completion reports
- **Test processes**
 - Project test management, phase test management and fundamental test processes
 - Activities across the test processes
 - Roles and responsibilities
 - ISO 29119
- **High –level planning**
 - Work breakdown structures
- **Risk management and testing**
 - Risk planning
 - Risk identification
 - Risk estimation
 - Risk treatment
- Test tools – selection & implementation
- Test environments
- Configuration & incident management
- **Monitoring and control**
 - Monitoring activities
 - Metrics and evidence
 - Control activities
 - Ongoing risk management
- **Test management on live systems**
 - Changing the plan
 - Updating the risk profile & risk treatment
- **Test Process Improvement**
 - Model-based approaches, e.g. TPI, TMMi
 - Analytic approaches
 - Managing the improvement
 - Post implementation review

Course deliverables

Each delegate shall receive a full set of course materials as both hard copy and on CD for future reference.

About tsg

The innovative Testing Consultancy that works with you to solve specific problems to help achieve your corporate objectives and maximize the return on investment you've made in your people, process and tools in three key, linked areas:

Learning & Development

- ISTQB, ISEB, Prince & ITIL certificated training in the classroom;
- ISTQB & ISEB certificated training over the Internet through Learntesting™;
- Tutor-led 'Academies' using real applications and templates that provide practical learning and experience through the entire life cycle of testing;
- Training needs analysis and tailored training programmes to meet your specific requirements.

Consultancy

- Using TSG's acknowledged industry experts and highly-experienced principal consultants;
- Our services support high-level strategic decision-making, demonstrating a record of measurable success;
- Bring success to your Agile testing projects.

Managed Services

- A tried and tested solution to the inherent problems of outsourcing or resourcing that brings success to projects whilst allowing them to still conduct business as usual;
- A compelling, time-based service in which TSG and its clients work cooperatively and share responsibility for testing success;
- Based on an SLA and a set of measures, our managed service is a true partnership that helps you run your BAU programmes whilst building capability into your people, processes and organisation.