

Test Strategy

1 Day



Course Overview

The Test Strategy course recognises that test strategies can be created at corporate, project, test phase, or even software release level. The course concentrates on building a framework for all projects, in other words, a corporate test strategy.

Initially the course considers a company's approach to testing: 'What does the company consider testing to be?' The answer to this question should be documented in the test policy.

From this test policy we can then address how testing should be conducted to meet the company's expectations, and document it in the corporate test strategy.

We look at the various testing standards and testing methodologies (traditional and agile) that may be adopted to address the different business drivers of quality and time to market.

We also look at project risks and the different techniques to contain the different types and severity of those risks. Finally we shall introduce the concepts and models for Test Maturity and test process improvement.

Course Objectives

- To provide an overview of test strategy content;
- to discuss the different approaches that may be found in a test strategy; and
- to identify ways in which a test process may be improved; and
- to identify models for a test process improvement.

Who Should Attend?

The course is intended for those who will be involved in the creation of test strategies at any level within the company.

Syllabus – Key points

Test strategy:

- different test strategies are required in different organisations;
- the role of management;
- where the test strategy fits in the test process; and
- role of corporate and project test strategies.

Corporate test strategy;

- content of a corporate test strategy (standards, related processes, risk based testing, test deliverables, methodologies, techniques and test process improvement models).

Test policy;

- formalisation of expectations;
- test objectives;
- direction and rules; and discussion

Implementing the test policy;

Standards for testing – the standards framework;

- testing standards compared with quality standards;
- testing and development standards;
- non-functional testing standards; and
- industry and company standards.
- test methodologies;
- test techniques;
- test deliverables;
- business risk;
- test process improvement; and
- discussion.

Related processes;

- configuration management and the strategy;
- change management and the strategy;
- release management and the strategy; and
- incident management and the strategy.

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Test deliverable –documentation and testware;

- Test and development models;
- Waterfall model;
- V Model;
- Incremental model;
- Spiral model;
- RAD model;
- OO approach; and
- Agile methodologies.

Risk based testing

- product risks; and
- project risks.

Strategy for test techniques:

- Black box techniques;
- White box techniques; and
- Non-functional techniques.

Strategy for test process improvement;

- TQM;
- CMM; and
- Test reference models.

Discussion points:

Concluding the presentation of each of the key points, there is an informal discussion where delegates may further explore the issues raised.

About tsg

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

Learning & Development

- ISEB and ISTQB certification training in the classroom, and online over the Internet through Learntesting™;

Co-sourcing

- Working in partnership with companies to deliver business as usual, coupled and aligned with a programme of maturity to reach an agreed goal over a period of time.

Measurement & Improvement

- Providing the right basis for measurable and quantifiable improvement.