

# TEST MANAGEMENT

The test management discipline focuses on two roles. The test lead, the person who is in charge of a test project, and the test manager, the person in charge of the future direction of testing in an organisation.

Administrative positions like team leader are not covered as they are not directly related to the act of testing.

The section is broken up into two sections; one for test lead and one for the test manager.

	Level 1	Level 2	Level 3	Level 4	Level 5
<b>Test Lead Skills</b>					
Is aware of and understands each of the other disciplines so that the test plan can include accurate resource provisions and estimates Concept					
Provide input into processes for test design peer reviews Responsibility					
Provide input into processes for test case specification peer reviews Responsibility					
Provide input into processes for test execution peer reviews Responsibility					
Provide input into the defect workflow process Responsibility					
Produce a test plan without relying on a template Responsibility					
Provide input into the project initiation phase by supplying a high level testing strategy, test estimates and test resource needs. Responsibility					
Produce the test summary report at the completion of a testing project. Responsibility					
Allocate effort to members of the test team relative to their discipline Responsibility					
Negotiate sponsor signoff with the project owners Responsibility					
Discuss, mentor or train current employees on testing fundamentals Responsibility					
Communicate effectively with the project manager on project progress Responsibility					
Report to test management the performance of the project team Responsibility					

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<b>Test Lead Skills</b>					
Produce metrics to test management regarding performance of the test team and the project Responsibility					
Effectively communicate with the development lead to negotiate test engagement Responsibility					
Effectively communicate with the development lead to negotiate defect resolution processes Responsibility					
Test Plan – outlines the testing effort to be undertaken on a given project. Includes scope, estimations, risks and issues, environment configuration, resourcing and required disciplines. Artefact					
Test Summary Report – details the testing that was undertaken on the project and the state of the testing Artefact					

	Level 1	Level 2	Level 3	Level 4	Level 5
<b>Test Management Skills</b>					
Understands different estimation models, how they relate to testing within the organisation Concept					
Understand the various models that exist for software testing and which is one is more appropriate for the organisation Concept					
Understands the different test environment configurations Concept					
Is aware of and understands each of the other disciplines so that the test strategy can include accurate resource provisions and estimates Concept					
Can estimate effectively for future testing effort Responsibility					
Define processes for test design peer reviews Responsibility					
Define processes for test case specification peer reviews Responsibility					
Define processes for test execution peer reviews Responsibility					
Define the defect workflow process Responsibility					
Plan the test environment configuration is best given the organisational resources Responsibility					
Define the structure for teams working within the testing area Responsibility					
Review current skill sets and allocate training or acquire new resources to cover current skill shortages Responsibility					
Define the role testing plays in the organisation Responsibility					
Recruitment and retention of skilled testing personnel based on current and future testing needs Responsibility					
Planning, deploying, and managing the testing effort for any given engagement / release. Responsibility					
Produce the short term test strategy Responsibility					
Produce the test future direction plan Responsibility					
Report to upper management the performance of the testing team Responsibility					

Short Term Test Strategy – defines the testing resources, training, approaches and utilisation over the coming 12-24 month period Artefact					
Test Future Direction Plan – defines the testing resource, training and approaches to meet the expected organisational testing needs based on the CTO Future Direction Artefact					