

Possibilities in-house training

Improve provides this training in house and tailored to your specific situation or needs upon request. For further information please contact us at +31 40 - 202 1803 or opleidingen@improveqs.nl.

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How excellent is your
test process?

TEST PROCESS IMPROVEMENT TMMi

TMMi helps you determine what needs to be addressed and corrected within your testing process.

On all registrations and courses our general and additional conditions apply:
www.improveqs.nl/contact/algemene-voorwaarden



consult.



train.



practice.



TEST PROCESS

TMMi

How excellent is your test process?

Software Process Improvement (SPI) is one of the main issues in the software industry. Although as much as 30% to 40% of the total project budget is spent on software testing, the attention to structured testing within the SPI models is limited. An answer to this shortcoming is the development of specific models for test process improvement. This course focuses particularly on the Test Maturity Model Integration (TMMi). This model is complementary to the Capability Maturity Model (CMM) and CMMI.

The Test Maturity Model Integration (TMMi) helps organizations to determine the status of the testing process and setting priorities for improvements. The TMMi defines five distinct levels of maturity. At each level, except for level 1, a number of process areas are identified where the primary focus of test improvement actions should be addressed. Each process area supports the implementation of clear objectives supported by various so-called key practices.

This training is designed to let you understand what the TMMi model is in theory and practice and how you can apply the model in your organization.

After this training:

- You know the different definitions of structured testing and their relationship with maturity;
- You know the need to improve the testing process, the main models and relationships with software process improvement;
- You know the different levels of TMMi model;
- You know the relationship of TMMi with ISTQB / TMap Next and specific ISTQB / TMap testing practices to implement TMMi process areas;
- You improve the role and importance of metrics in test process improvement and within TMMi;
- You perform formal and informal TMMi assessments.

Who should attend this training?

This training is suitable for you if you are involved in Test Process Improvement within your own organization and want to learn how to apply an international model.

Roles of participants in their organization.

This training is meant for:

- test managers, testers and consultants involved in and/or responsible for the structure and improvement of the test process, who want to learn more about the new standard in the field of testing process improvement, the Test Maturity Model Integration
- quality assurance and SPI employees with knowledge in the field of test process improvement based on TMMi, and who are involved in defining test standards

Prior knowledge or training required

You should hold an ISTQB Certificate in Software Testing op Foundation Level or a certificate TMap NEXT Test Engineer.

Program

Structure of this training

The training lasts two days. You will learn about the Test Maturity Model Integration (TMMi) in theory and practice. The testing process for your organization is positioned within the TMMi. The course then provides practical skills and tools for improving your test process based upon TMMi. Discussions and exercises play an important role in this course.

Course outline

Day 1: Morning

- Introduction to test process improvement
- The TMMi model

Day 1: Afternoon

- TMMi level 2
- Test policy and strategy
- Test planning
- Test monitoring and control
- Test design and execution
- Test environment

Metrics and performance indicators

Day 2: Morning

TMMi level 3

- Test organization
- Test training program
- Test life cycle and integration
- Non-functional testing
- Peer reviews

TMMi level 4

- Test measurement
- Product quality evaluation
- Advanced reviews

Day 2: Afternoon

- TMMi level 4 (continued)
- TMMi level 5
- Defect prevention
- Quality control
- Test process optimization
- TMMi assessments
- Implementation of test process improvement