

## 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](mailto:opleidingen@improveqs.nl).

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How good is your test process?

## TEST PROCESS IMPROVEMENT TPI Next®

The TPI Next® model helps you to improve your test process.

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



consult.



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practice.

# TEST PROCESS

## TPI Next®

### How good 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 teaches you one of the main models for test process improvement, the TPI Next® model. The TPI Next® model helps organizations to determine the status of the testing process and the setting of priorities for improvements. TPI Next® helps determine what needs to be addressed and improved.

### After this training:

- You will understand the need to improve the test process, the main models and their relationship with software process improvement;
- You can explain the structure and background of the TPI Next® model and the consistency with Software Process Improvement;
- You have a comprehensive understanding of the focus areas, maturity levels and control;

- You have a comprehensive understanding of 'continuous' implementation of the TPI Next® model through clusters;
- You have a comprehensive understanding of subjects for a 'controlled' level;
- You understand the relationship of TPI Next® with TMap Next®, as well as specific TMap Next® test practices to improve certain areas;
- You can conduct interviews and report findings and recommendations;
- You understand the role and importance of metrics in test and improve process within TPI Next®.

### 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 testing process improvement, with TPI Next®;

- quality assurance and SPI employees with knowledge in the field of test process improvement based on TPI Next®, and who are involved in defining test standard

### 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 TPI Next® model in theory and practice. The testing process for your organization is positioned within TPI Next®. The course then provides practical skills and tools for improving your test process based upon TPI Next®. Discussions and exercises play an important role in this course.

### Course outline

#### Day 1

- Structured testing
- Definitions and test principles, BDTM, case test assessment
- Test Process Improvement
  - The need and status
  - Introduction test models

- Structure and backgrounds, relationships with (CMM-I) and TMMi.

- Test Process Improvement (TPI Next®)

- Outline structure, focus, maturity levels and control
- Focus areas of TPI Next®
- Business Driven Test Process Improvement
- Use of clusters
- Case BDTPi

#### Day 2

- Case TPI Next®
  - Assessment
  - Interviews
  - Writing an assessment report
- Test metrics
  - Definition, interpretation and feedback
  - Writing an improvement plan
  - Case improvement plan
  - Implementation
  - Obstacles, assessments, do's and don'ts