The value of TMMi
About the presenters

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About iSQI
International Software Quality Institute

- Global Certification Body
- Offices in Germany, Netherlands, UK, USA
- Focus on Software Testing, Quality and Business Value
- Extensive Portfolio
**iSQI IN NUMBERS**

- **More than 30,000** IT professionals get certified by iSQI per year.
- **iSQI have a global network of 250** accredited Training Providers.
- **More than 500** examiners worldwide conduct examinations in the name of iSQI.

- **Examinees can choose between 4** exam channels: paper based, SMEX, FLEX and Pearson VUE test center.
- **iSQI certify IT professionals in more than 100 countries.**
- **The iSQI portfolio includes more than 50** internationally recognized certifications.
Operational side of this session

- All participants are on “Mute”
- Questions in the Q&A Box please, to be answered at the end of each section
- Technical problems also in the Q&A box please, we have support standing by
- Duration Presentation: max. 30 min
- Session will be recorded and made available later
The value of TMMi

Jan Jaap Cannegieter
Principal Consultant Squerist BV
TMMi? Why should you bother?
If you do a quick search you will find …

58

… different test process improvement models

(probably more, this figure is based on the work by professor Vahid Garousi of the Wageningen Universiteit)
Source: Software test maturity assessment and test process improvement: A multivocal literature review
By Vahid Garousi, Michael Felderer and Tuna Hacaloğlu, Elsevier Information and Software Technology 85 (2017) 16–42
About the popularity of test process improvement models

![Bar graph showing the frequency of source maturity models used in the sources.]

Fig. 13. Breakdown of the frequency of the source maturity model used in the sources.

Source: Software test maturity assessment and test process improvement: A multivocal literature review
By Vahid Garousi, Michael Felderer and Tuna Hacaloğlu, Elsevier Information and Software Technology 85 (2017) 16–42
Benchmark for assessments
Professional assessors
Professional courses
In line with CMMI
Build by the community
Open source (public domain)
Flexible
TMML levels: step by step

1. Initial
   - Test Environment

2. Managed
   - Test Design and Execution
   - Test Monitoring and Control
   - Test Policy and Strategy

3. Defined
   - Test Life Cycle and Integration
   - Non-Functional Testing
   - Peer Reviews
   - Test Organization
   - Test Training Program

4. Measured
   - Test Measurement
   - Software Quality Evaluation
   - Advanced Peer Reviews

5. Optimization
   - Defect Prevention
   - Test Process Optimization
   - Quality Control
TMMi framework: build for flexibility

Process area

Goals
Example: Process Area Non-Functional Testing

- SG 1 Perform a Non-functional Product Risk Assessment
- SG 2 Establish a Non-functional Test Approach
- SG 3 Perform Non-functional Test Analysis and Design
- SG 4 Perform Non-functional Test Implementation
- SG 5 Perform Non-functional Test Execution
Example: Process Area Non-Functional Testing

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Plus 11 pages of elaborations, suggestions, ideas. Non-required stuff.
Want to dive into TMMi?
Free options – www.tmmi.org - downloads

Soon to be published: TMMi in the DevOps world
More than a model..

TMMi® PROFESSIONAL

Test Maturity Model Integration

Training and assessments

TMMi® ACCREDITED ASSESSOR

TMMi® TEST PROCESS IMPROVER

TMMi® RECOGNIZED TRAINING PROVIDER

TMMi® ACCREDITED SUPPLIER

TMMi® LOCAL CHAPTER
But what about the value of TMMi?
The value of TMMi

Improvement
In case you want to improve your test process yourself

Independent assessment
In case you want to show others how professional your testing is

Knowledge base for testing
In case you looking for test related things that could work in your situation
Thanks for listening!
Questions?
If you want to reach us:

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Thank you for your attention.