Test Maturity Model integration

the world standard for test improvement

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TMMi Foundation (2005)
- Develop the TMMi standard
- Framework for TMMi assessments

TMMi model published in 2010
- ISTQB, IEEE, CMMI, best practices
- Translated into Chinese, French and Spanish

Independent model

World leading model for test process improvement
TMMi Process Areas

5: Optimization
- Test process optimization
- Quality control
- Defect prevention

4: Management and measurement
- Product quality evaluation
- Test measurement programme
- Advanced reviews

3: Defined
- Test organization
- Test training program
- Test life cycle and integration
- Non-functional testing
- Peer Reviews

2: Managed
- Test policy and strategy
- Test planning
- Test monitoring and control
- Test design and execution
- Test environment

Helps to set priorities and focus the test improvement process

74% is at TMMi level 1
TMMi & Agile

Agile “doing the same things differently”

1. Ability to manage changing priorities
2. Increased team productivity
3. Improved project visibility
4. Increased team motivation
5. Better delivery predictability

Source: 10th Annual State of Agile™ Report

- Start from **business objectives** and goals
- Looks for alternative practices – look for the intent
- TMMi reminds you of critical testing practices
- Keep it Simple (this is difficult!)
Reported Results

Defect Detection Percentage

<table>
<thead>
<tr>
<th>Year</th>
<th>Y1</th>
<th>Y2</th>
<th>Y3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dev</td>
<td>63</td>
<td>62</td>
<td>64</td>
</tr>
<tr>
<td>Detection</td>
<td>70</td>
<td>70</td>
<td>95</td>
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</table>

alpha / beta test lead time

<table>
<thead>
<tr>
<th>Year</th>
<th>Y1</th>
<th>Y2</th>
<th>Y3</th>
<th>Y4</th>
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</thead>
<tbody>
<tr>
<td>Lead Time</td>
<td>19</td>
<td>15</td>
<td>12</td>
<td>6</td>
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<tr>
<td>Time</td>
<td>6</td>
<td>5</td>
<td>4.5</td>
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Defect Detection Percentage

<table>
<thead>
<tr>
<th>TMMi1</th>
<th>TMMi2</th>
<th>TMMi3</th>
</tr>
</thead>
<tbody>
<tr>
<td>95</td>
<td>6</td>
<td>5</td>
</tr>
</tbody>
</table>

Employee satisfaction

% deviation - spent vs. planned

<table>
<thead>
<tr>
<th>Year</th>
<th>TMMi1</th>
<th>TMMi2</th>
<th>TMMi3</th>
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<tbody>
<tr>
<td>Rate</td>
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More than a model ..

TMMi Professional

Train & Assess

Optimization
Measured
Defined
Managed
Initial

agile

Breadth of Cross-discipline Competence
Depth of Discipline Competence

TMMi®
ACCRREDITED
ASSESSOR

TMMi®
Test Process Improver

TMMi®
RECOGNIZED
TRAINING
PROVIDER

TMMi®
ACCRREDITED
SUPPLIER

TMMi®
CERTIFIED
LEVEL 3
Local Chapters

- UK
- Bulgaria
- Brazil
- France
- Romania
- India
- Finland
- Serbia
- China
- Hungary
- Italy
- South Korea
- Objective Driven
- ISTQB related
- Well-founded
- Clear Priorities
- Self-Assessments
- Freely Available
- CMMI relationship
- Open community
- On-going development, e.g., Agile
www.erikvanveenendaal.nl

A TMMi page with all documents for download

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I will keep you updated on TMMi