Home Office Update
19th July 2022
Geoff Thompson

• Chairperson TMMi Foundation
• Chairperson UK & Ireland Testing Board
• Associate Vice President Qualitest
TMMi Foundation

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

- TMMi model published in 2010
  - ISTQB, IEEE, CMMI, best practices
  - Available in English, Chinese, French, Spanish and Portuguese

- Independent model

- World leading model for test process improvement
  - Confirmed by IEEE/Gartner
Growth

Number of TMMi certified organizations


35% growth Q1-Q3 2021!

Number of certified TMMi professionals


29% growth Q1-Q3 2021!

www.tmmi.org
Currently 25 local chapters

- New 2022:
  - Nigeria
  - Netherlands and Belgium
- In progress:
  - Germany
World-wide User Survey

- Survey designed together with university team
- Address market needs, understanding benefits of TMMi and challenges
- All TMMi assessed organizations invited
  - Both informal and formally assessed
  - Since inception of TMMi assessment framework
- Return rate 64%
- Highly experienced TMMi users (≈ 4 years)
69% of the TMMi users use multiple life cycle models!
TMMi Benefits

**Product Quality**
- Enhanced product quality: 88%
- Reduced product risks: 88%
- Reduced number of defects: 88%

**Test Efficiency**
- Increased test productivity: 77%
- Accelerated software delivery: 77%
- Reduced project costs: 77%

**Compliance**
- Achieved TMMi certification: 84%
- Achieved standard compliance: 84%

**People**
- Improved test engineering discipline: 77%
- Improved team morale: 77%

Enhanced product quality
Reduced product risks
Reduced number of defects

Increased test productivity
Accelerated software delivery
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Improved team morale

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Quantified Benefits

- Test predictability increased by 70%
- Higher product risk coverage (now at 80%)
- DDP increase from 60 to 70% at system testing

- Time-to-market reduction by 7%
- DDP at system level improved by 22%
- Development cycle from 3 months to 1 month
- Reduced cost of external testers by 10%

- DDP to production improved by 30%
- Test estimation now 95% accurate
- Test efficiency improved by 25%
- Regression test cycle from 4 hours to 30 minutes

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Top Challenges and Advice

- Inconsistent processes across teams
- Lack of skills/experience with TMMi
- Organizational culture
- Maturity development organization
- Resistance to change
- Too few resources

Advice:
- Involved testers when defining processes
- Ensure you interpret the model
- Identify and engage process champions early
- Provide templates and share best practices
- Define both long term and short term goals
- Change takes time; realistic expectations
CURRENTLY AVAILABLE

- ‘TMMi in the Agile world’ white paper
- ‘How TMMi supports the Three Ways of DevOps’ white paper
- Changes in CMMi and how they affect TMMi
- TMMi Worldwide User Survey

https://www.tmmi.org/case-studies/
https://www.tmmi.org/tmmi-documents/
COMING SOON

- **TMMi V1.3** – (due for release in 2022)
- **TMMi 2.0 and TAMAR 2.0** (“due to be released in 2024’’)
  - Will include full alignment CMMI 2.0, Agile, DevOps, ISO, IEEE, CR’s, test automation, etc.
- **IEEE Publication in queue for publication**
- **TMMi and Quality Engineering**

https://www.tmmi.org/news/
THANK YOU

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