

The Test Maturity Model (TMM)

How good are your software quality processes?

Does your organisation?

- Suffer from major release delays?
- View testing as a bottleneck at every stage?
- Find too many, and very often the most important errors in production?
- Have little idea how much testing (and poor quality) is costing?
- Utilise third parties that don't deliver the anticipated benefits?



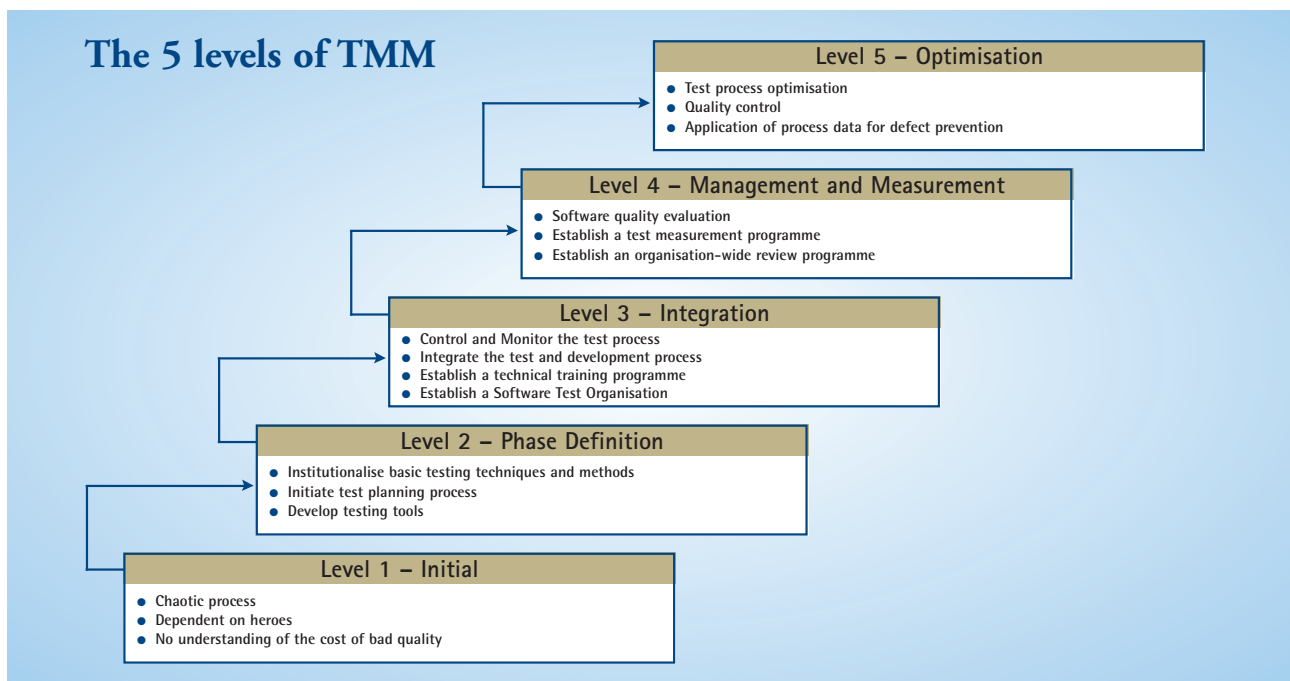
Are you aware of the cost of quality and the savings (tangible and intangible) of implementing process improvements?

Over the decades there have been many process improvement models, including SPICE, CMM and CMMi. These models focus on helping organisations improve their overall software engineering process capabilities, BUT, how much attention has been paid to software quality processes within these models?

This is where the Testing Maturity Model (TMM)* can help. TMM* is a method to assess and improve Software Quality Management.

The TMM* concept was first proposed by Ilene Burnstein and others from the Illinois Institute of Technology in 1996 to address the weaknesses of CMM (Capability Maturity Model) with regard to testing. With the publishing of her book 'Practical Software Testing' TMM* is now recognised as an international model to be measured against. So much so that the TMMi™ Foundation has been established to manage its adoption internationally.

Experimentus and TSG are the first organisations to bring education, assessment and implementation services for TMM* in the UK.



The **TMM*** model will assess the capabilities of your software quality processes and identify what to improve, in what order and more importantly why to improve (ROI).

Whilst your software engineering process may be CMM level 3/4/5, very few test related quality processes achieve level 2 of **TMM***. Mainly because software engineering assessment models do not look in detail at the test related quality processes. This, bearing in mind that these processes can and often do absorb up to 50% of IT project spend.

Experimentus and TSG deliver three types of assessment across the 5 levels of **TMM***:

1. **Formal TMM* benchmark assessment** – this leads to a formal certification of **TMM*** level within your business unit/organisation (usually undertaken by organisations who are confident that have reached the given level of maturity/capabilities)
2. **Detailed TMM* baseline assessment** – a semi formal assessment at project/business unit/organisational level – identifies current capabilities and likely maturity level. It also can provide a process improvement roadmap (the process improvement roadmap would be focussed on achieving a given level of organisational maturity/capability)
3. **TMM* Health check** – a quick informal assessment activity monitoring specific process areas to ensure it moves towards the required level of maturity (usually used to monitor the progress of a process improvement roadmap)

A **TMM*** review will provide:

- An intelligent look at your testing related quality processes
- A fully scalable review mechanism (Project/Programme/Business Unit or Organisation)
- A staged process improvement model
- A pragmatic and achievable process improvement roadmap which will support your organisations quality goals and objectives.
- Demonstrable Return On Investment

These assessments will be undertaken using an assessment method aligned with ISO15504, by fully trained assessors.

Following acceptance of the results, Experimentus and TSG can assist organisations in implementing recommended improvements, monitoring progress and measuring Return On Investment.

TMM Training Course

Experimentus and TSG offer an introductory 1-day course which provides attendees knowledge and insight regarding test process improvement, both from a theoretical and practical perspective.

The course is aimed at test managers and test consultants who are involved (and responsible) for structuring and improving their testing process and want to learn about the new standard test maturity model. The course focuses on:



- Test Process Improvement;
- The TMM model;
- Level 2 Key process areas;
- Test metrics; and
- Implementation.

CONTACT US NOW FOR MORE DETAILS



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* Testing maturity Model and TMM are service marks of the Illinois Institute of Technology; the TMM is an international standard approach to measuring Test Process Maturity. The TMMi™ Foundation www.tmmifoundation.org has been set up to further establish TMM as the process improvement model.