TEST MATURITY MODEL INTEGRATION (TMMi)

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Key points
- To understand the basics of test process improvement
- To be able to assess test maturity based upon the Test Maturity Model integration (TMMi);
- To understand how to prioritise, define and implement practical test improvements;

The Test Maturity Model, developed by the Illinois Institute of Technology, is growing in use across Europe and the USA. It has been developed to compliment the existing CMMi framework. Its growing popularity is based upon it being the only independent test process measurement method, and the simple presentation of maturity levels that it provides.

In Europe the independent TMMi Foundation initiative has been established with the sole intent of elaborating the TMMi standard and developing a standard TMMi assessment and certification method, with the aim of enabling the standards consistent deployment and the collection of industry metrics. Erik has much practical experience in implementing the model and helping organisations improve the way they test, and the benefits this can generate. The workshop will present these experiences and benefits with the aim of providing the attendees with the information required to justify a test process improvement project.

Topics that will be addressed during this tutorial include:
- Test process improvement: the need for test process improvement; the evolution of testing and the need for a dedicated test improvement model and the relationship with CMMi.
- The TMMi model: scope, characteristics, process areas; how to perform an assessment, select priorities, and define improvement suggestions.
- TMMi level 2 process areas: test policy and strategy; test planning; test monitoring and control, test design and execution, and test environment. The level 2 process areas are discussed in detail to provide attendees with understanding to start the improvement process.
- TMMi level 3 process areas: An overview of the level 3 process areas: test organization, test training program, test life cycle and integration, peer reviews and non-functional testing.
- Implementation of change: resistance to change, assessment of changes, do's and don'ts and the test improvement manifesto.

As well as learning more about the TMMi during the workshop each attendee will be provided with the information and practical materials needed to do an evaluation of their own companies Test Maturity level. This is your chance to learn about the latest initiative in test process improvement.