

Lesson Objectives

- Introduction
- 4 Essentials of TMap
- TMap evolves along
- What TMap offers
 - How TMap helps
 - Where TMap is applicable



1.1 Introduction

TMap is the Test Management Approach of Sogeti, the approach for structured testing of information systems. The approach described is universal because the specific details of the test approach depends on the situation in which they are applied.

TMap is in four essences to summarize:

- 1.TMap is based on a business driven test management approach.
- 2.TMap describes a structured test process.
- 3.TMap provides a complete toolbox.
- 4.TMap is an adaptive test method.



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The first mentioned essence is to relate directly to the fact that the business case of IT (the justification of a project) is becoming increasingly important for organizations.

For testing this means: the choices for covering certain risks, the result to be achieved and the quantity to spend money and time should be based on rational and economic considerations. Here in TMap to indicate completion, is the business driven test management approach developed, which can be seen as the 'Red wire' of the structured TMap test process.

TMap indicates by the description of a structured test process (essence 2) and by submitting a complete toolbox reply to the classical questions: What/when, how, which AND WHO. In the description of the test process uses the TMap phase ring model: a to the development cycle related description of the test cycle. The phase ring model describes what/when must be performed.

In addition, for the proper execution of the test process, various matters in the field of infrastructure (which), techniques (how) and Organization (WHO) be furnished. TMap here for many practically applicable information in the form of under other examples, checklists, technical descriptions, procedures, test organizational structures and test environments/-tools (essence 3).

It is so that the flexible TMap is applicable in various system developer situations: in both new construction and maintenance of a system, at a proprietary system or purchased package and outsourcing of (parts of) the testing (essence 4).

1.2 4 Essentials of TMap

The 4 essentials of TMap are:

- Business-driven test management (BDTM) approach
- Structured test process
- Complete tool box
- Adaptive test method



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1.3 TMap evolves along

IT is becoming more and more important for organizations. Since the end of the nineties the use of software or the general information technology has become increasingly important for organizations.

This is motivated by the following developments:

- Cost Reduction in development and management of IT.
- Growing automation of business processes .
- Faster deployment of automation.
- Quality of automation is more important



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Cost Reduction in development and management of IT.

IT should be cheaper and the business case (the why in combination with costs and merits) must always be placed more clearly.

Growing automation of business processes : More and more business processes within organizations or automated or heavily dependent on other automated processes.

Faster deployment of automation : By the growing automation is it a supportive asset to a competition for the business has grown. Distinctive This means that the flexibility and speed with which this medium can be used is vital to win the competition.

Quality of automation is more important: The maturity of the end users of it in combination with the fact that senior managers are responsible for the correctness of this IT, ensure renewed interest in quality

These four aspects are also known as concise summarized as "more for less and faster and better". A consequence of this is that it projects are increasingly more dynamic and more hectic of nature. This can cause great pressure on the testers and can test the relative share within the IT increase. The testing process to make it manageable and keep for TMap the ' business driven test management' (BDTM) approach developed. This approach is integrated in this book. This is the creation of a test strategy is directly related to the risks. The client can in this way responsible, risk-based to make choices in the test process. By making these choices has the client himself strongly affects the duration and cost of the test process.

1.4 What TMap offers

- What does TMap have now, What can you do with it?
- The answer to the above question can be found in the below mentioned topics where a general overview is given :
 - Which TMap helps
 - Where is TMap applicable

1.4: What TMap offers

1.4.1 How TMap helps

To help the tester at his work, TMap performs certain activities indicating how testing can be executed. This is done by helping with:

- Translating the wishes of the organization (client) to a concrete test approach and management of the implementation.
- The ability to deal with the various IT development approaches by a test manager, test coordinator and / or tester, each from their own responsibility.
- Performing product risk analysis, test strategy, (non) functional test among other things.
- Organizing testers for example, a standing test organization or flexible project teams.
- Choosing the right test partner for a particular client.

1.4: What TMap offers

1.4.2 Where is TMap applicable

IT development approach now has a large number of variants .

TMap actively recognizes in advance the following options where it can be used:

- both a demand supplier relationship (e.g. outsourcing) between the client , developer and tester each with their own responsibilities as well as in joint interactive address
- tackle both iterative – incremental ,waterfall and agile approaches
- new construction, maintenance and migration of information systems
- situations with combinations of self-development, re- use of standard packages and assembly of purchased modules , all under IT architecture
- in addition to the functional requirements , involving the non- functional requirements of the Information on the test approach
- in situations where a lot of attention to the communication and related skills should be spent.

Summary

- Observed what is TMap
- Learnt the 4 essentials of TMap
- Where is TMap applicable was discussed
- Observed which TMap helps


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Summary



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Add the notes here.

Review Question

- TMap is an approach for _____ testing.
- “TMap describes a structured test process”, This is one of the essentials of TMap
 - True/False
- TMap helps the Tester in the following ways:
 - Organizing testers for example, a standing test organization or flexible project teams
 - Choosing the right test partner for a particular tester.
 - Translating the wishes of the test manager to follow a concrete test approach.



Add the notes here.