

ISTQB Model Based Testing

Optimize analysis, design and implementation of tests with a model-based approach for testing based on business requirements. Professionalize and enhance test activities and make the transition from requirements to test cases and their implementation more efficient.

Détails

- **Code** : ISTQBMBT
- **Durée** : 2 jours (14 heures)
- **Public**
 - Testeurs
- **Pré-requis**
 - Basic understanding or exposure to requirements concepts.

Objectifs

- Be more effective on testing activities using templates for test analysis, design and implementation.
- Know and know how to implement the activities of the MBT in a test process
- Be able to evaluate and deploy a Model-Based Testing approach in a team or test center
- Master the concepts, vocabulary, activities and roles of Model-Based Testing

Programme

Objectives and motivations of Model-Based Testing

- Why introduce the MBT in a test process?
- What are the pitfalls to avoid ?

MBT Activities and products

- Main modeling activities, test generation and adaptation
- Elements used as input and products of a test process with MBT

Integration of MBT into the development process

- Integration of MBT in agile and phased processes
- Link between requirements engineering and Model-Based Testing
- Situation: You have integrated the MBT into your testing process, what will change

Modeling MBT (modeling activities, languages, best

practices)

- Understand and practice MBT modeling (business and state machine workflows)
- Know the families of modeling languages used for the MBT
- Know the best practices of MBT modeling

Implementing and running tests with ModelBased Testing

- Transition from test generation to manual or automated execution
- Know the good practices of test adaptation

Evaluation and deployment of an MBT approach

- Be able to measure the progress of a project using Model-Based Testing
- Know the various categories of tools used for the MBT

Modalités

- **Type d'action** :Acquisition des connaissances
- **Moyens de la formation** :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- **Modalités pédagogiques** :Exposés – Cas pratiques – Synthèse
- **Validation** :Exercices de validation – Attestation de stages