COURSE OVERVIEW
This four-day course is a continuation from the ISTQB Foundation Level Certificate and leads to the ISTQB Advanced Test Analyst Certification.

This course focuses specifically on test analyst issues such as producing test documentation in relation to domain testing, choosing and applying appropriate specification-based, defect-based and experienced-based test design techniques.

COURSE CONTENT
This course covers the following areas:

TEST TECHNIQUES: SPECIFICATION-BASED
Explains and demonstrates how to use and apply the following important test design techniques: equivalence partitioning, boundary value analysis, decision tables, state transition testing, classification tree method, pairwise testing, and use cases.

TEST TECHNIQUES: DEFECT AND EXPERIENCE-BASED
Describes the principles and reasons for defect-based techniques and differentiate their use from specification-based and structure-based techniques. Explains, using examples, the importance of defect taxonomies and their uses.

The following defect and experienced-based techniques will be described and used to generate tests: error guessing, checklist-based, exploratory testing, and attacks

Candidates will analyse various systems in order to determine which specification-based and defect-based techniques best fit the application being tested.
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TEST OF SOFTWARE CHARACTERISTICS
Testing the system’s functionality is an important aspect for every tester, focusing on what the system does. Another vital area for every tester is to test the software’s characteristics – how well it behaves.

Analysis of suitable techniques is provided to test the following characteristics for the test analyst: accuracy, suitability, interoperability, functional security, usability, and accessibility.

THE EXAM
This course will provide the delegate with the necessary knowledge and skills to sit the ISTQB Advanced Test Analyst Certificate multiple-choice exam. Delegates will be given the opportunity to sit the examination at the end of the course.

Information about the certification can be found on the International Software Testing Qualifications Board (ISTQB) website: http://www.istqb.org/

COURSE PREREQUISITES
Delegates wishing to take the ISTQB Advanced Test Analyst Certificate must hold the ISTQB FOUNDATION CERTIFICATE IN SOFTWARE TESTING. There are certain work experiences prerequisites, a document detailing the prerequisites can be downloaded from the South African Software Testing Qualifications Board (SASTQB) site (www.sastqb.org.za) for more detailed information. If you wish to sit the course without taking the exam, there are no prerequisites.

TRAINING STYLE
The course is conducted in a classroom style. Candidates use practical tasks to layer theoretical concepts. Comprehensive and accredited course materials, certification and assessment
Comprehensive course notes are provided. Candidates will be given exercises, practice exams and learning aids to assist in preparation for the final exam.