

1. Purpose of the document

This document describes the framework conditions for the examination and certification of the „**TTCN-3-CERTIFICATE**“ in Europe, based on German Testing Board conditions.

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2. TTCN-3-CERTIFICATE learning objectives

The TTCN-3-CERTIFICATE is proof that a person with a tester role is capable:

- of designing, developing, preparing, executing and providing documentary proof of TTCN-3-based tests of software and systems.
- analysing the results of TTCN-3-based tests and evaluating the system under test.

In addition, selected examples enable the person to become familiar with the TTCN-3 technology and associated tools.

3. Conditions for taking the exam

Attendance of an appropriate course is recommended, although this is not a requirement. The exam in Europe is based on the current version of the GTB's **TTCN-3-CERTIFICATE** syllabus.

4. Conditions for certification

The receipt of a certificate requires that the **TTCN-3-CERTIFICATE** exam has been passed.

5. Form and content of the exam

The exam lasts 90 minutes and is conducted either on a PC or in paper-based written form. The exam covers the entire learning material of the **TTCN-3-CERTIFICATE** syllabus and consists of the following subjects and sub-topics:

	Number of questions	Points possible
Basics of TTCN-3	3	3
Language Features: Data Types and Templates	3	3
Language Features: Communication	3	3
Language Features: Test Configurations	3	3
Language Features: Behaviour	7	7
Language Features: Modules	4	4
Presentation Formats	2	2
Test Execution	5	5
TTCN-3 Standard	2	2
Test Design and Development	4	4
Open Data Interface	3	3
Test tools	2	2

The exam consists of 41 Multiple Choice questions whose construction, structure and degree of difficulty have been mutually agreed between the GTB (German Testing Board e.V.) and the European

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Exam procedure

Telecommunication Standards Institute (ETSI). The marking of the exam is performed by the Certification Body. The exam is considered passed when at least 60% (in words, sixty percent) of the questions have been answered correctly.

6. Exam results for the exam participant

As a minimum, each exam participant is informed of the overall result (pass yes/no, points attained, percentage) and of the points attained in the individual sub-topics. This takes place by e-mail within one week of performing the exam.

7. Clarification of complaints and appeals via inspection of results data

The Certification Body will permit an exam participant to inspect their own exam within 30 days of receipt of their exam results and on payment of a charge to cover administrative costs. The inspection is performed as a comparison between entered and correct answers.

Berlin, 30 November 2006**German Testing Board e.V.****Certification Body:**

(Signature GTB)

(Signature CERTIFICATION BODY)

Tilo Linz, Horst Pohlmann

Stephan Goericke

(Signing person's name in block capitals)

(Signing person's name in block capitals)

Chairman of the German Testing Board

Managing Director iSQI

(Signing person's function in block capitals)

(Signing person's function in block capitals)