



Software. Testing. Excellence.



„ISTQB® goes Automotive“



CHECK ENGINE

# AUTOMOTIVE SOFTWARE TESTER 2.0

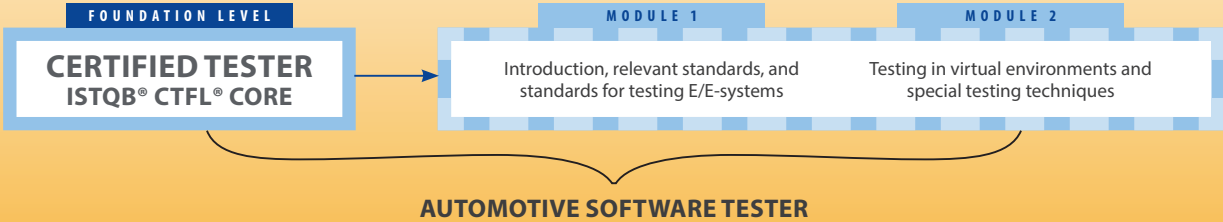
The increasing complexity in the development of software-based automotive systems and a share of the software at more than 50% of the added value of a vehicle lead to a growing importance of testing of software-based automotive systems in vehicles.

## Each Automotive Tester should have acquired the AUTOMOTIVE SOFTWARE TESTER CERTIFICATE.

Ever since software has been used, the automotive industry has been a pioneer in the fields of standardization and globalization. The network of automotive manufacturers and their supplier industry

spans development locations around the world and permeates, in the form of concern-wide standards (ISO 26262, ASPICE®, AUTOSAR®), into the development of software-based systems.

### STRUCTURE OF THE SYLLABUS



# YOUR BENEFIT

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## What skills does an automotive software tester have after successful training?

- › Collaborate effectively in a test team
- › Customize the test techniques known from the ISTQB® Certified Tester Foundation Level (CTFL®) to the specific project conditions
- › When selecting appropriate test techniques, consider the essential requirements of the relevant standards (Automotive SPICE®, ISO 26262, AUTOSAR®)
- › Support the test team in risk-based planning of the test activities using well-known elements of structuring and prioritization
- › Apply testing techniques in virtual test environments (MiL, SiL, HiL)

## TRAINING AND EXAMINATION ACCORDING TO THE ISTQB® STANDARD

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The CTFL specialist “Automotive Software Tester” is the first industry-specific syllabus to close the gap between the globally established ISTQB® Certified Tester testing standard and the special requirements of the automotive domain.

### The Training

The training lasts 2 days and covers the specific requirements for testing E/E systems in the automotive field on the basis of established standards (Automotive SPICE®, ISO 26262, AUTOSAR® etc.). Various virtual test environments (MiL, SiL, HiL) are presented and their correct application practiced in exercises. Additional static and dynamic test procedures for the automotive sector that are supplementary to the ISTQB® Foundation Level are introduced and deepened in exercises.

### The Examination

As with the ISTQB® Foundation Level, the exam lasts 60 minutes (40 multiple-choice questions). The exam can be taken with or without prior training at the ISTQB® authorized certification bodies.

Precondition for issuing the Certified Automotive Software Tester Certificate is passing of the exam and that the candidate already has an ISTQB® CTFL Core Certificate.

Further information on the GTB website:



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