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Tutorial Title:	Implementation and Execution of TTCN-3 – The TRI and TCI Interfaces
Intended Audience:	TTCN-3 newcomers, project manager which would like to understand how much effort it is to get TTCN-3 working

Tutorial Overview

The tutorial will discuss in particular structure and details of the TTCN-3 Runtime and TTCN-3 Control Interfaces. It will give a solid overview on the APIs and their usage from a test system perspective. It will introduce the APIs for the implementation of behaviour like TRI-SA, TRI-PA or TCI-TM, as well as the type and value interface which represents the TTCN-3 data types and templates.

At the end a short demonstration will demonstrate how a TTCN-3 test system is executed.

Tutorial Structure and Timing

- Brief recall on TTCN-3 and its basic concepts
- Introduction of a basic example suitable to demonstrate the usage of the TRI and TCI
- Introduction to the TTCN-3 Runtime Interfaces – TRI and its Java mapping
- Introduction to the TTCN-3 Control Interfaces – TCI and its Java mapping
- Demonstration an executable test system

Tutorial Materials

Power Point Presentation, with demonstration at the end.
The tutorial is targeted for 90min (see also further details)

Further Details (optional)

This presentation could be combined with the tutorial submission: "Introduction to TTCN-3" as it uses the same examples and is the logical extension to this tutorial.

Combining both tutorials would lead to a total time of 150min, i.e. 2.5 hours, with

Part 1 – Introduction to TTCN-3:	90min
Part 2 – TRI/TCI:	60min
Total if combined	150min

Biography

Theofanis Vassiliou-Gioles is co-founder and CEO of Testing Technologies since 2000. Being with Fraunhofer Research Institute FOKUS for more than six years, he became a senior expert in testing and was assigned as Deputy Chief of Competence Center for Testing Interoperability and Performance. Mr. Vassiliou-Gioles is involved in several standardization groups in ETSI and he has published several papers on the application of TTCN-3 at various international conferences. Mr. Vassiliou-Gioles holds a Master in Electrical Engineering from Technical University Berlin.

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