The TTCN-3 Tester Certificate

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Outline

- Context
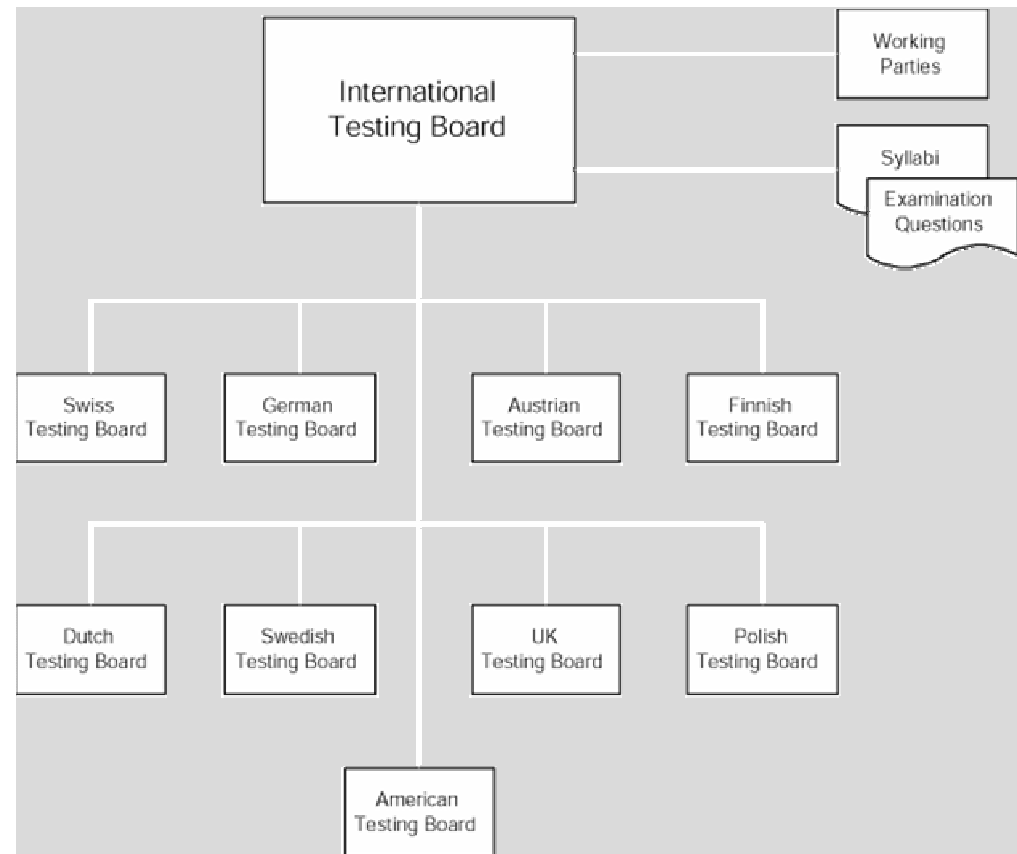- Objectives
- Timing

Motivation

- Business sense for substituting proprietary test tools with TTCN-3 tooling

- Ever growing need for qualified testers with TTCN-3 knowledge and experience

- Potential to select qualified TTCN-3 testers

➢ Bundled certification

TTCN-3 technology **+** testing methods know-how

Context: ISTQB

- International Software Testing Qualification Board
  - www.istqb.org

Certified Tester Series

- 3 level approach (strict sequence)
  - Foundation level
  - Advanced level
  - Expert level

- TTCN-3 Tester Certificate has been initiated in Germany for the expert level
  - German testing board
    - www.german-testing-board.de
  - Carried by iSQI – the Internation Software Quality Institute
    - www.isqi.de
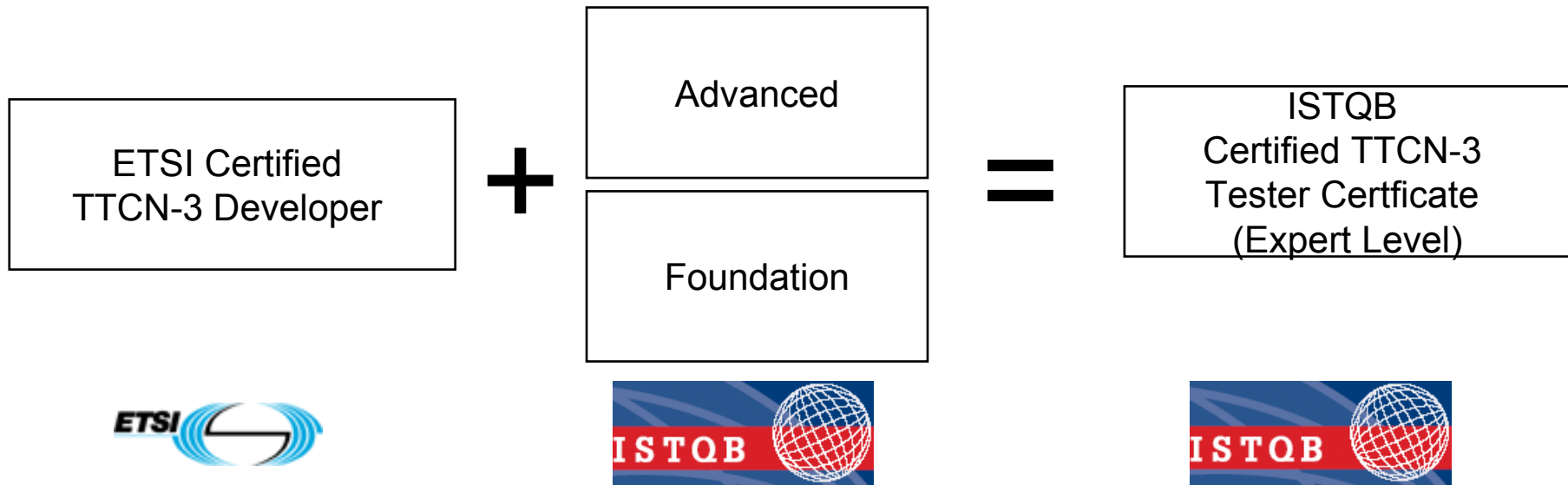
Aims of a TTCN-3 Tester Certificate (1)

- Development of a common body of understanding and knowledge about TTCN-3 through the syllabus & terminology

- Promote consistent and good testing practise with TTCN-3

- Provide an opportunity for testers or those with interest in TTCN-3 to acquire an industry recognized qualification in TTCN-3

- To be able to
  - compare TTCN-3 skills across different countries
  - move across country borders more easily

- Increased number of qualified TTCN-3 testers in Europe and worldwide

Aims of a TTCN-3 Tester Certificate (2)

- Promote TTCN-3 as a good basis for testing in more countries

- Gain recognition for TTCN-3 as an essential and professional tester specialization by industry

- Economy of scale, increased efficiency and economic benefits (re-use of syllabus and exam questions, reduction in cost per country - don't have to re-invent wheels)

- International recognition of TTCN-3 testers from a board-based international scheme, international recognition of the qualification due to participation from many countries

The TTCN-3 Tester Certificate

ETSI Certified
TTCN-3 Developer

+

Advanced

Foundation

=

ISTQB
Certified TTCN-3
Tester Certficate
(Expert Level)

Aspects of the TTCN-3 Certification Scheme

- Training and syllabus structure
- Examination structure and regulations
- Accreditation guidelines
- Certification guidelines
- The "ideal" pass rate

Syllabus Overview (1)

- Introduction

- Basics of TTCN-3

- Language Features

  - Data Types and Templates

  - Communication

  - Test Configurations

  - Behaviour

  - Modules

- Core Language and other Presentation Formats

Syllabus Overview (2)

- Test Execution
- TTCN-3 Standard and Maintenance
- Test Design and Development
- Open Data Interface
- Migration
- Test Tools

Timing

- Approval by German Testing Board in Sept. 2004

- Proposal of Certificate to ETSI in Oct. 2004
  - ➢ Possibly, adoption of ETSI TTCN-3 Tester Certificate by end of 2004

- Proposal of Certificate to ISTQB in Oct. 2004
  - ➢ When adoption of ISTQB TTCN-3 Tester Certificate will be possible is not clear yet

Thank you
for your attention!

Questions?