

### Title of Paper

## Impact of Systems of Systems on ISTQB Advanced Level syllabus

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### Presenter

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### Instructional Level

Introductory     Intermediate     Advanced

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### Target Group

ISTQB trainers, test managers, ISTQB examination bodies

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### Keywords

- Systems of Systems
  - Training Objectives
  - Management
  - Risk Mitigation
  - Integration and Planning
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### Abstract

Systems of Systems have an impact in many different areas for the Advanced Level tester, from Management to reporting to risk mitigation. This tutorial / presentation will define, for all the chapters and modules in the Advanced Syllabus, the impacts of Systems of Systems ; and provide training objectives

Because Systems of Systems are large and complex, and not under a single management structure, the impact in terms of management is important, such as in terms of planning, coverage of tests executed by different entities, risk management (inherited and imposed risks), configuration etc to mention but a few.

This impacts the way to teach and/or certify against the ISTQB Advanced Level syllabus.

This presentation will explain

Detailed Session Plan:

- Systems of systems
    - Definitions and Examples
  - Impact on Management
    - Planning
    - Communication
    - Budget
    - Priorities
  - Impact on Configuration
  - Impact on Quality
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- Test Planning & Qualification
  - Coverage
  - Impact on Risk
    - Anticipation
    - Mitigation, Avoidance
    - Inherited & Imposed Risks
  - Impact on ISTQB Advanced Level
    - Learning Objectives
  - Synthesis
    - Teaching
    - Questioning and Certifying
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### Biography

After 25+ years in software development and testing with different consultancies, Bernard Homes set up the TESSCO group in Europe and Canada. Founder and principal consultant for TESSCO Technologies inc., Bernard is also member of the IEEE board in France and participant in various IEEE standards association workgroups.

After helping a major Canadian customer in setting up a test centre specializing in software certification, then providing consultancy services for a major French telecom company and for a French satellite solutions providers, Bernard now provides Project Quality Assurance services to a major helicopter manufacturer.

A speaker at a number of international conferences and universities, Bernard also provides software testing trainings and consultancy services worldwide.

Bernard has been elected president of the CFTL, the French Software Testing Board, and chairs the Advanced Level syllabus Working Party of the ISTQB®.

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