ISTQB

Certified Tester Foundation Level Syllabus

Certified Tester

Foundation Level Syllabus

v4.0

International Software Testing Qualifications Board

ISTQB®
Certified Tester
Foundation Level

www.istqb.org

Eric RIOU du COSQUER

Software Quality and Testing

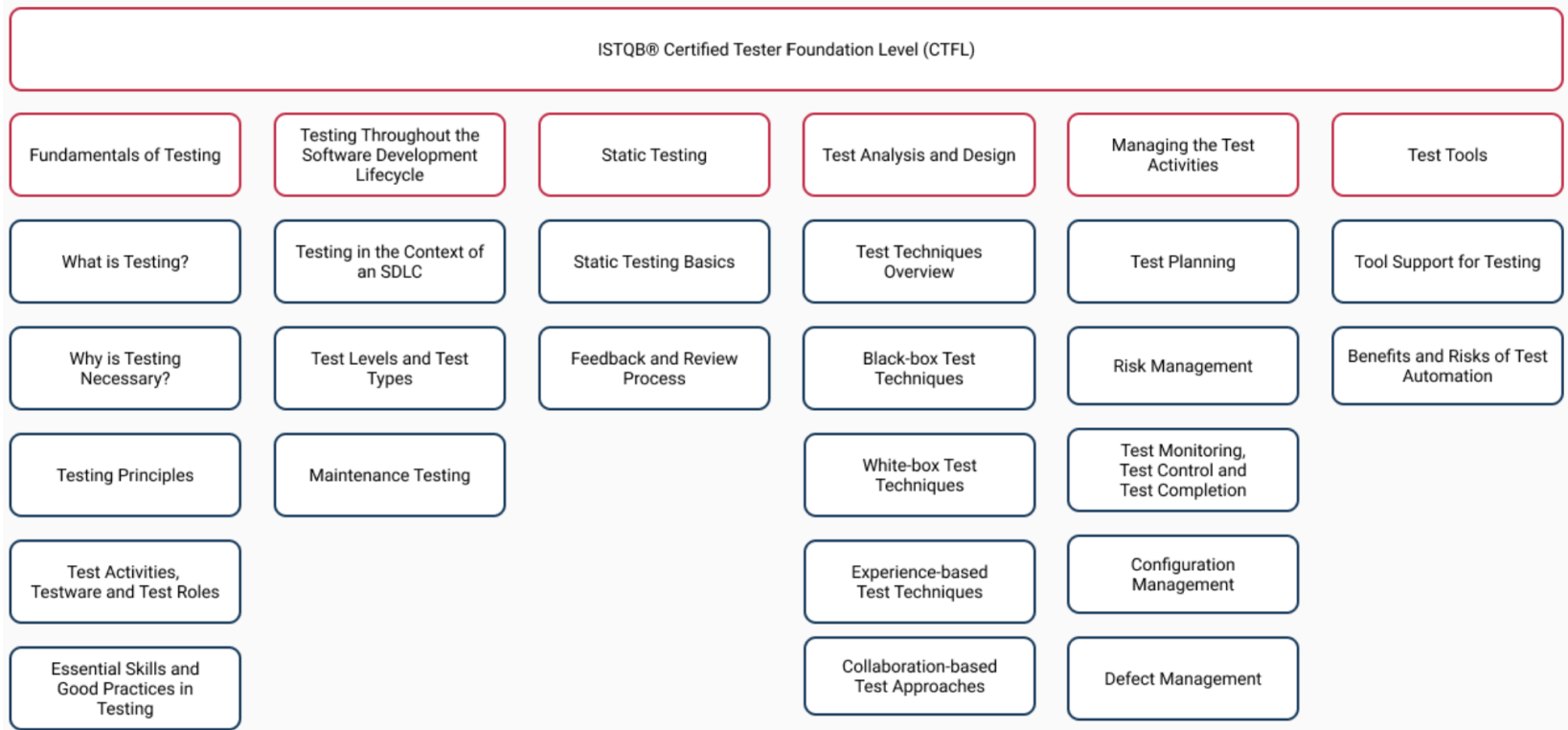|		
IQBBA — International Qualification Board for Business Analysis	Business Analysis	• www.iqbba.org
IREB — International Requirements Engineering Board	Requirements Engineering	• www.ireb.org
ISTQB	International Software Testing	• www.istqb.org
CFTL — Comité Français des Tests Logiciels	ISTQB France	• www.cftl.fr
TMMi — ACCREDITED LEAD ASSESSOR	Test Organization Audit	• www.tmmi.org
CERTILOG — SOFTWARE TESTING & INFORMATION SYSTEM QUALITY	Audit, Consulting and Training	• www.certilog.com

CTFL v4.0

A team work

Content of Version 4.0

A lot of innovation

4 challenges met by the new syllabus

CTFL 4.0

A document applicable to sequential and iterative development models
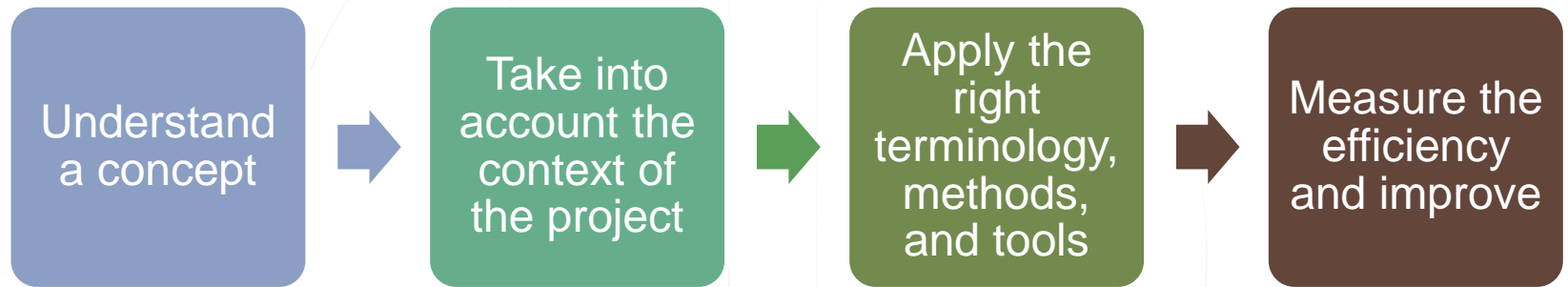
Challenge 1

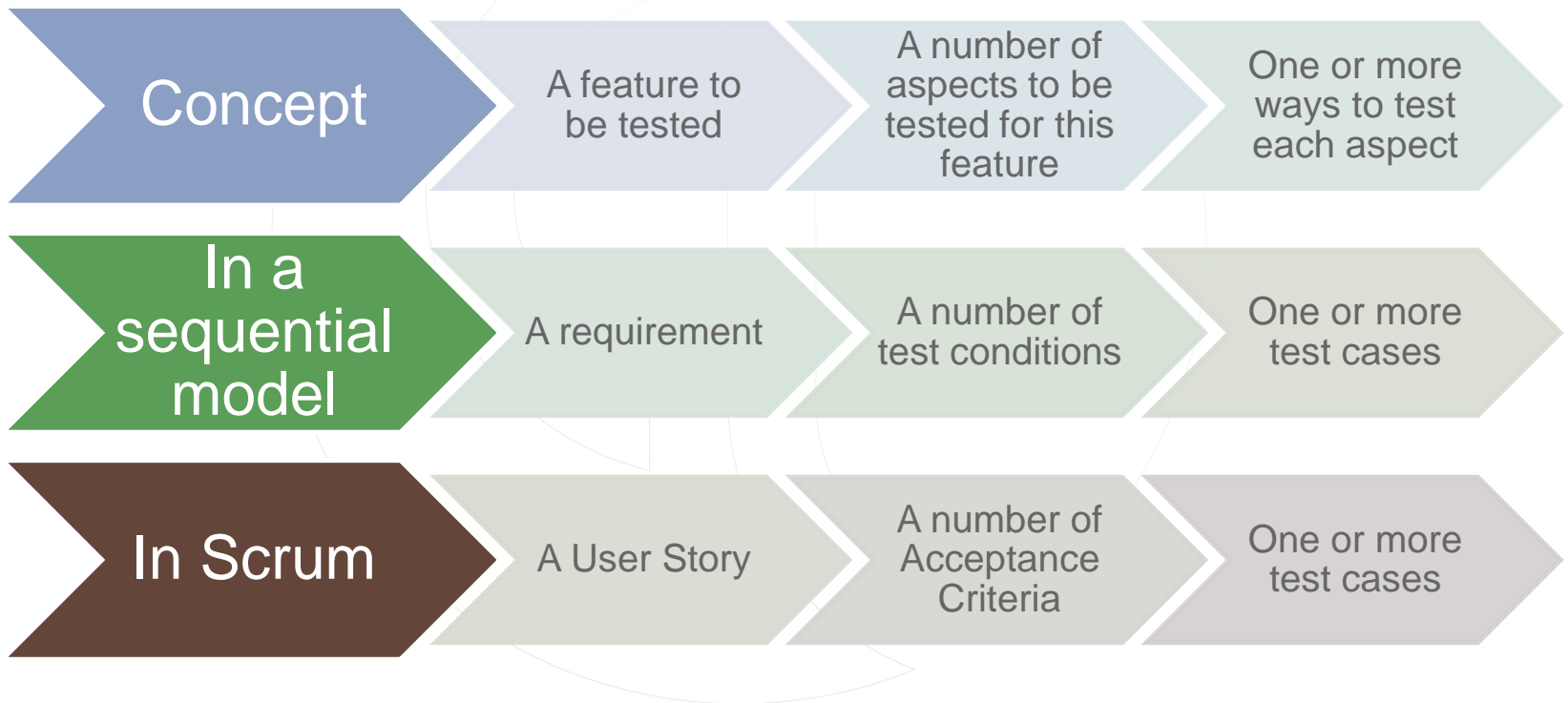# 2 really old models, not one

50 years old vs. 20 years old

The concepts are the same

But their implementation is different

Understand a concept	→	Take into account the context of the project	→	Apply the right terminology, methods, and tools	→	Measure the efficiency and improve

Example from Chapter 4

Test Analysis and Design

Concept	A feature to be tested	A number of aspects to be tested for this feature	One or more ways to test each aspect
In a sequential model	A requirement	A number of test conditions	One or more test cases
In Scrum	A User Story	A number of Acceptance Criteria	One or more test cases

Say goodbye to theory to enable a 100% practical training, or almost 100% practical training
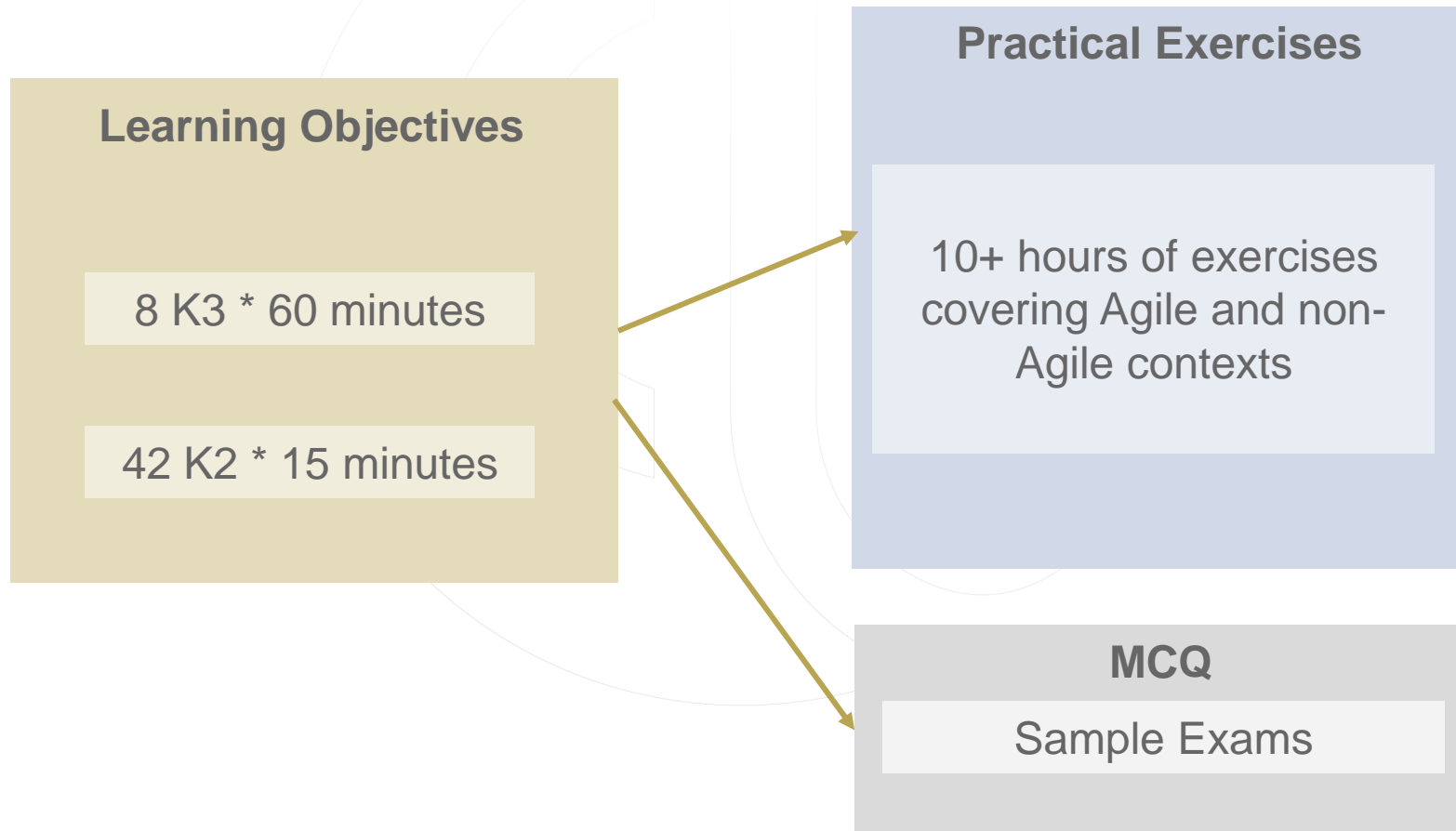
Challenge 2

ISTQB = theory ?

What we often read in course evaluations

Theory becomes good practises and Good practises create value

More than 10 hours to be allocated to practical exercises

Practical Exercises

Learning Objectives

8 K3 * 60 minutes

42 K2 * 15 minutes

10+ hours of exercises covering Agile and non-Agile contexts

MCQ

Sample Exams

Examples for practical exercises

From various chapters

Use **boundary value analysis** to derive test cases

Use **decision table** testing to derive test cases

Explain **branch testing**

Write **acceptance criteria**

Provide a basis for organizing a 3-day training course

Challenge 3
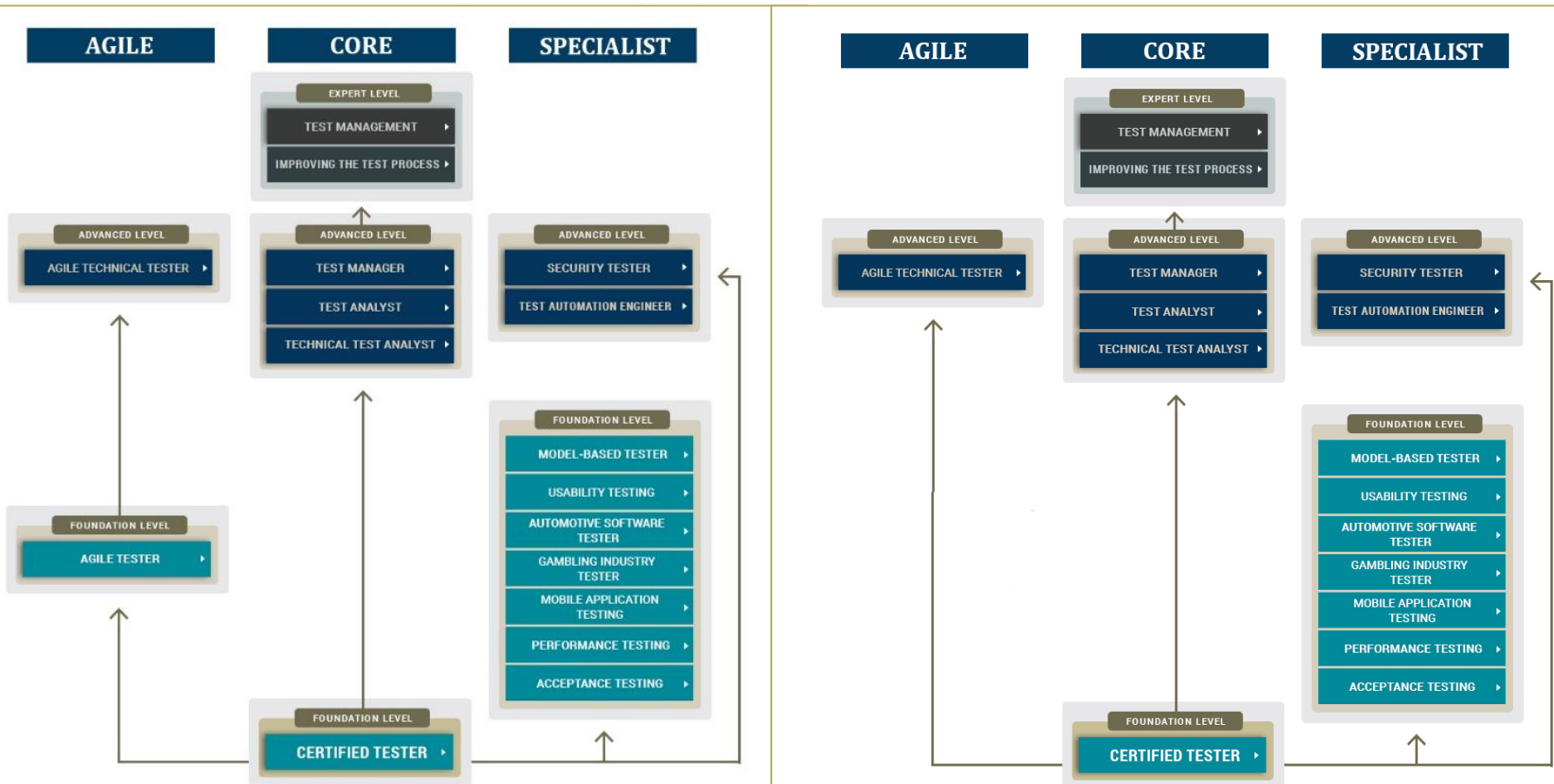
5 days for a Foundation Level Course

Does it make sense?

$$2 + 3 = ?$$

Starting point

From 2 Syllabi to 1 Syllabus

Not just a merge !

Example for Chapter 5

Chapter 5: Managing the Test Activities

- ○ Test Planning
- ○ Risk Management
- ○ Test Monitoring, Test Control & Test Completion
- ○ Configuration Management
- ○ Defect Management

What's new/updated? (Versus v3)

- ○ Release Planning
- ○ Iteration Planning
- ○ Estimation Techniques
- ○ Test Pyramid
- ○ Testing Quadrants

Remove ?

Keep as it is?

Update?

What to add?

LOs and timing

1 135 minutes ➜ 19 hours !

	CTFL 3	CTFL-AT	Sum	CTFL 4.0
K1 LOs	14	6	20	14
K2 LOs	40	13	53	42
K3 LOs	7	8	15	8
Time	1.095	705	1.800	1.135

Ensure measurable added value for every stakeholder directly or indirectly involved in test activities

Challenge 4

Value for every stakeholder

Provided by the CTFL syllabus

Value for every stakeholder

Provided by the CTFL syllabus

Technical Tester (full time or not)

Functional Tester (full time or not)

Test Manager (or person in charge)

Value for every stakeholder

Provided by the CTFL syllabus

Freelance Consultant

Person in charge of hiring testers

Value for every stakeholder

Provided by the CTFL syllabus

Developer

Scrum Master

Product Owner

Quality Manager

Value for every stakeholder

Provided by the CTFL syllabus

Final Users

Trainers

…

STAKEHOLDER

How to measure the value?

Different types of KPIs

Employee wellness indicators

For the people involved in testing

Do you enjoy your work?

Would you recommend it to someone?

Do you feel recognized?

Do you have the feeling to be usefull?

To conclude

What to remember ?

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Applicable to sequential and iterative development models

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Provide a basis for organizing a 3-day training course

Ensure measurable added value for every stakeholder directly or indirectly involved in test activities

Any questions ?

Let's keep in touch

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