



Dedicated to Software Quality Professionals

October 11, 2017

ASTQB & ISTQB

Presented by Andrew L Pollner

About your speaker

Andrew L Pollner

President & CEO, ALP International

ASTQB: Director, Executive Committee

ASTQB: Working Group co-Chair - Performance Tester

ISTQB: Working Group Chair

Advanced Level – Test Automation Engineer

ISTQB Vision

To continually improve and advance the software testing profession by:

Defining and maintaining a Body of Knowledge which allows testers to be certified based on best practices, connecting the international software testing community, and encouraging research.

About ISTQB

- 2002 Year of founding as a non-profit
- 57 Member Boards
- 81 Countries covered by MBs
- 3rd Largest non-IT specific certification (1-PMI, 2-ITIL)
- 17 Certifications in Product Portfolio
- Certifications issued worldwide:

80,000?

200,000?

350,000?

475,000?

Certifications over time

80,000 *July 2008*

200,000 *July 2011*

350,000 *July 2014*

475,000 *July 2016*

Certifications Issued Worldwide

500,000+

Since December 2016!



About ASTQB

ASTQB is the U.S. board for the internationally recognized ISTQB software testing certification with a mission to promote Software Testing in the United States.

- **Volunteer Organization**
- **Founded in 2003**
- **Non-profit Organization**
- **Headquartered in Tampa, FL**

About ASTQB/ISTQB

- ASTQB/ISTQB Contribute to Syllabi and Glossary through Working Groups
- Development of Quality ASTQB Exams in the US
- ASTQB/ISTQB Development of Accreditation Guidelines for Training Providers
- GI Bill reimburses Veterans for ASTQB Exams
- ASTQB Job Board
- Test Event Support

About ASTQB/ISTQB (cont.)

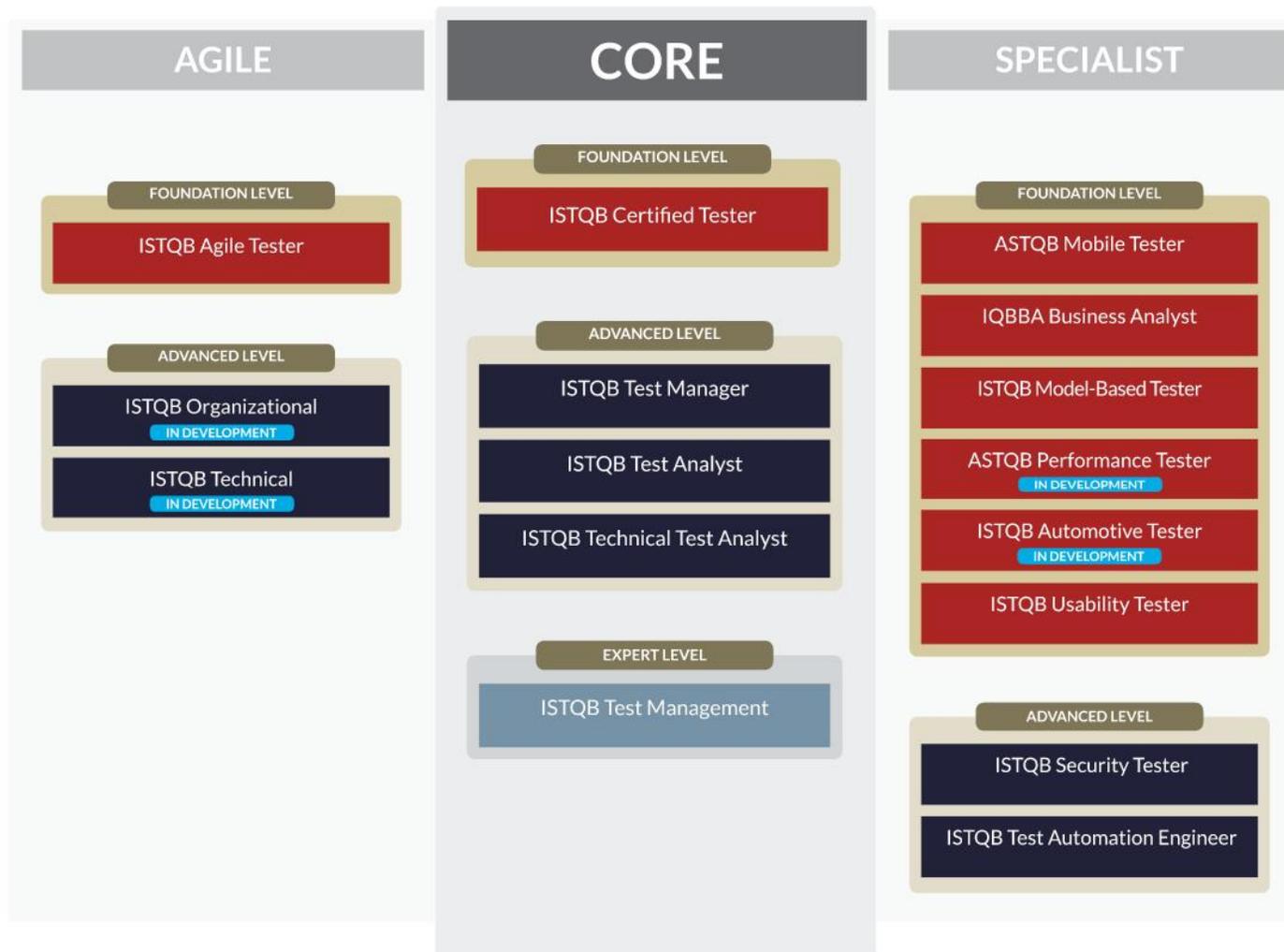
- ASTQB exams are created by a panel of US industry testing experts
- Exams are assessed by professional US psychometricians to ensure questions are clear, fair, and accurate
- ASTQB exams are available to US companies with global workforces

About ASTQB

Support for Local Testing Communities:

- Newsletters and invitations to events
- Career Center and local User Group sponsorship
- Invitation to join or participate in test Webinars and Conferences
- Volunteer to support TAG or WGs.

ASTQB/ISTQB Tester Certifications



Building Your Foundation

ISTQB and ASTQB certifications offer a road map to guide your career.

START HERE

ISTQB
Certified Tester
Foundation Level

RECOMMENDED FOR ALL CAREERS

Whether you are looking for a software testing job, or already have a job as a tester, this is where you need to start. The Certified Tester, Foundation Level (CTFL) is the gateway certification for all the other ISTQB certifications.



I want to be part of an agile team.

This certification will increase your vocabulary, teach you the best approach to testing on an Agile project and will help you understand how you can be most effective in that environment.

FOUNDATION LEVEL

ISTQB
Agile Tester

ADVANCED LEVEL

ISTQB
Agile
Technical

I want to stand out.

Build your career with in-demand testing & business analysis skills.

✓ ASTQB
Mobile Tester

✓ ASTQB
Performance Tester

✓ IQBBA Business
Analyst

✓ ASTQB
Usability Tester

FOUNDATION LEVEL

Specialist

ADVANCED LEVEL

Specialist

Advancing Your Career

Which of these best describes you?

I want to work with customers.

This certification is designed for the strong tester who has a deep understanding of the business domain and the needs of the user.

ADVANCED LEVEL

ISTQB
Test Analyst

I want to work with code.

This certification is designed for the technically minded individual who wants to and is capable of programming, both in scripting languages (e.g., python) as well as standard programming languages (e.g., java).

ADVANCED LEVEL

ISTQB
Technical
Test Analyst

I want to lead the team.

You will learn all about test planning, monitoring and controlling for projects but you will also learn about establishing test strategies and policies that can change the course of testing for the organization.

ADVANCED LEVEL

ISTQB
Test Manager

EXPERT LEVEL

ISTQB
Test
Management

As the name implies, Expert Level truly establishes your expertise in one or more areas, and could be very important for key corporate and consulting jobs.

I want to focus on agile.

You're ready to be a leader in the agile environment, and ISTQB Advanced Agile Technical gives you the knowledge and skills to step into that role.

I want to specialize.

Build in-depth knowledge & skills for high-profile advanced testing.

✓ ISTQB Test Automation Engineer

✓ ISTQB Security Tester

Click a  to Learn More

New at Advanced Level **Specialist**

Security Tester
Test Automation Engineer

Test Automation Engineer - Topic Areas

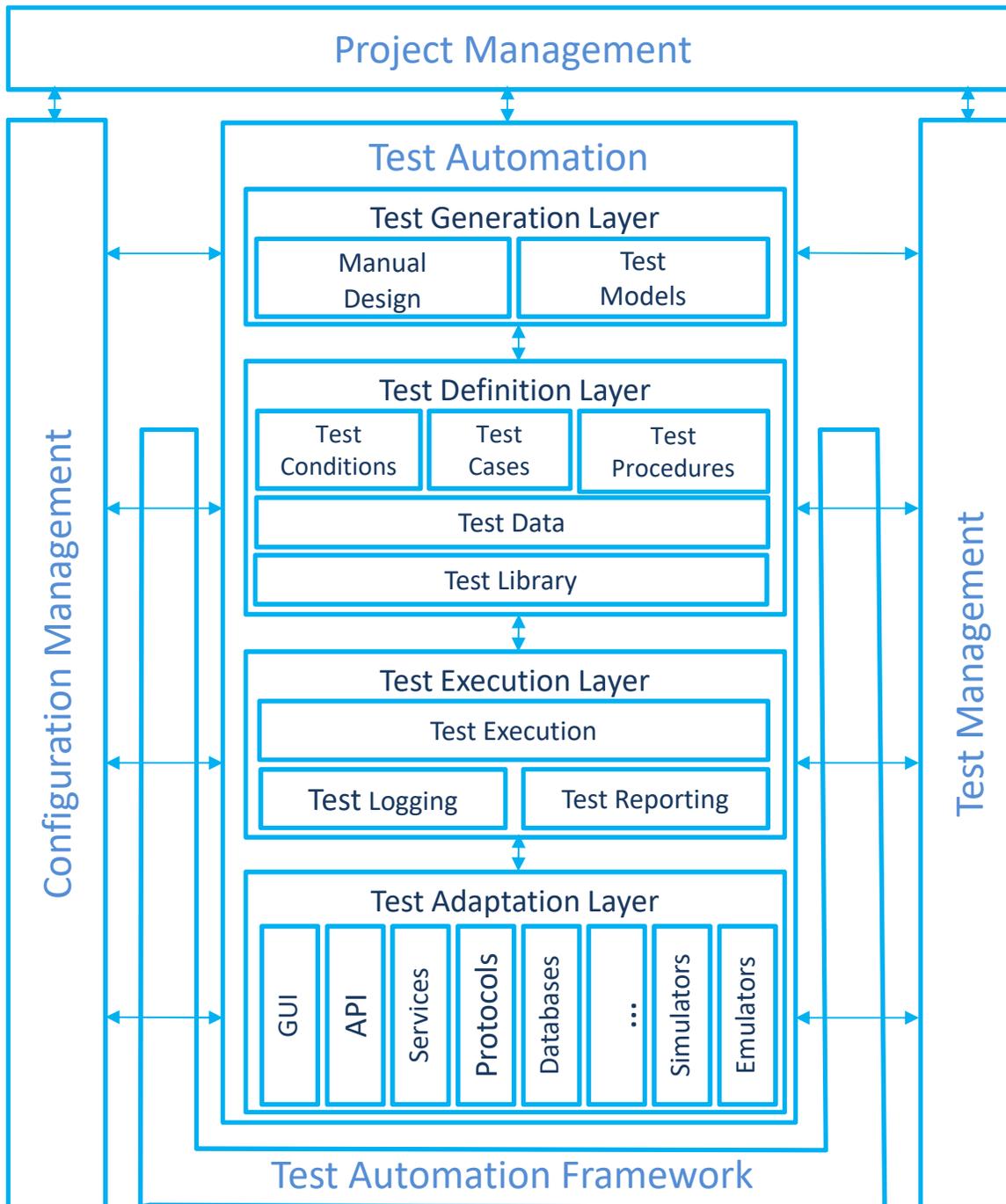
1. Objectives for Test Automation
2. Preparing for Test Automation
3. Generic Test Automation Architecture
4. Deployment Risks & Contingencies
5. Reporting & Metrics
6. Transitioning from Manual to Automated Testing
7. Verifying Test Automation
8. Continuous Improvement

Scope of TAE

- Tasks of a test automation engineer (TAE) in designing, developing, and maintaining test automation solutions.
- Concepts, methods, tools, and processes for automating dynamic functional tests and the relationship of those tests to test management, configuration management, defect management, software development processes and quality assurance.

Generic Test Automation Architecture (gTAA)

- Test Generation Layer
- Test Definition Layer
- Test Execution Layer
- Test Adaptation Layer



**ISTQB
Advanced Level:
Test Automation Engineer**

**Generic Test
Automation Architecture
(GTAA)**

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Qualifications Board

Advanced Security Tester Syllabus Outline

1. The Basis of Security Testing
 2. Security Testing Purposes, Goals and Strategies
 3. Security Testing Processes
 4. Security Testing Throughout the Software Lifecycle
 5. Testing Security Mechanisms
 6. Human Factors in Security Testing
 7. Security Test Evaluation and Reporting
 8. Security Testing Tools
 9. Standards and Industry Trends
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Goals of the Syllabus

- Have a lifecycle view of security and security testing.
 - “built in, not patched in”
 - Be more than penetration testing.
 - Pen testing is very important, but limited.
 - Everyone can have a role in security testing with the proper training and authorization.
 - Give people (especially testers) a specialized career path.
 - Contribute part of the solution to the huge cyber security challenges.
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Conclusion

- ASTQB Promotes professionalism in Software Testing in the United States.
- ASTQB Develops and administers exams for ASTQB, IQBBA, GTB, and ISTQB certification schemes.
- ASTQB Accredits US Training Providers
- ASTQB Creates programs that benefit the US software testing community.

Resources

- Syllabi
- Sample Exams
- Glossary (static/dynamic)
- White Papers/Webinars/Podcasts
- Job Board

and more at:

www.astqb.org

Q & A

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