INTERNATIONAL SOFTWARE QUALITY INSTITUTE

CERTiFYING PEOPLE

Road to improvement

Stephan Goericke
Managing Director of iSQI®

iSQI® as a Certification Body

Director Stephan Goericke

Vita
- Law studies in Bonn and Potsdam
- Since 2005 Director iSQI® – International Software Quality Institute
- Since 2005 Director ASQF – Association for Software Quality and Further Education

Member
- ISTQB – Working Party Member
- EuroSPI – Marketing Chair
- Chair of Organizing Committee CONQUEST & Intern. Spice Days
- iNTACS and INTCCM Working Party Member
- Vice President Security and Safety made in Berlin-Brandenburg (SeSamBB e.V.)
- Member of the German European Security Association (GESA e.V.).
- ECQA (European Certification & Qualification Association) executive board member
- European representative 5th World Congress for Software Quality (2011 China)

Editor
- „Schriftenreihe zur Software-Qualität"
- „Software Quality in Service-Oriented Architectures", Berlin 2006
- „EURO SPI Industrial Proceedings", Potsdam 2007
- „Business Process Engineering", Heidelberg 2007
- „Setting Quality Standards", Heidelberg 2008
- „Software Quality Engineering", Heidelberg 2009

Keynote Speaker
- Theory and Practice of Software Testing, Latvia 2010
- ANZTB Test Conference, Sidney 2009
- Test 2008, New Delhi 2008
- 4th World Congress for Software Quality, Bethesda 2008
- Annual Conference for Testing Professionals, Riga 2007
- Central & Eastern Europe Outsourcing Summit, Kiew 2007
- EQN-Conference, Krems 2007
- PLATO Conference, Budapest 2007

iSQI® as a Certification Body

- Headquartered in Germany:

  Potsdam & Erlangen

- Founded in 2004 as a subsidiary of the German non-profit organization ASQF e.V. (Association for Software Quality and Further Education)

- 1.100+ members in Germany, Switzerland, Austria: Individuals, small and medium enterprises as well as international companies (e.g. Microsoft, HP, SAP)
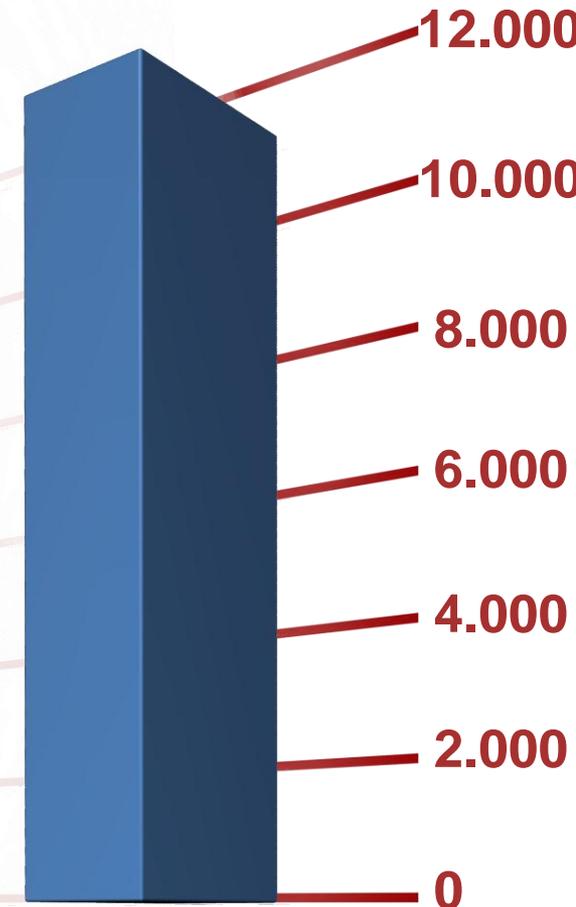
iSQI® as a Certification Body

Focus on IT professions:

More than 11.000 examinations held in 2011

- ISTQB® Certified Tester Foundation/Advanced/Expert* Level
- IREB® Certified Professional for Requirements Engineering Foundation/Advanced Level
- iSQI® Certified Agile Tester
- ISSECO® Certified Professional for Secure Software Engineering
- iSAQB® Certified Professional for Software Architecture
- iSQI® Certified Professional for Project Management
- iNTACS™ certified ISO/IEC 15504 Provisional Assessor
- iNTACS™ certified ISO/IEC 15504 Competent Assessor
- iNTCCM® Certified Professional for Configuration Management
- ECQA® Certified Innovation Manager
- ISPMA Certified Software Product Manager
- TTCN-3® Certificate
- V-Modell® XT – Project Management
- QAMP® - Quality Assurance Management Professional
- CPMS® Certified Professional for Medical Software

* coming soon

12.000
10.000
8.000
6.000
4.000
2.000
0

in over 60 countries
on 6 continents
in 7 languages

iSQI® as a Certification Body

Examinations

- Argentina
- Australia
- Austria
- Bangladesh
- Belarus
- Belgium
- Bolivia
- Bulgaria
- Canada
- Chile

- China
- Columbia
- Croatia
- Czech Republic
- Denmark
- Ecuador
- Egypt
- El Salvador
- England
- Estonia

- Finland
- France
- Germany
- Hungary
- India
- Iran
- Ireland
- Israel
- Italy
- Japan

- Jordan
- Latvia
- Lithuania
- Luxembourg
- Macao
- Malaysia
- Malta
- Mexico
- Montenegro
- New Zealand

- Norway
- Pakistan
- Paraguay
- Peru
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Singapore

- South Africa
- South Korea
- Spain
- Sweden
- Switzerland
- The Netherlands
- Turkey
- Ukraine
- Uruguay
- USA
- Venezuela

iSQI® as a Certification Body

About iSQI®

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- Mexico
- Montenegro
- New Zealand

- Norway
- Pakistan
- Paraguay
- Peru
- Poland
- Portugal
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- Singapore

- South Africa
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About iSQI®

- **¾ of German DAX30 companies rely on iSQI's expertise**

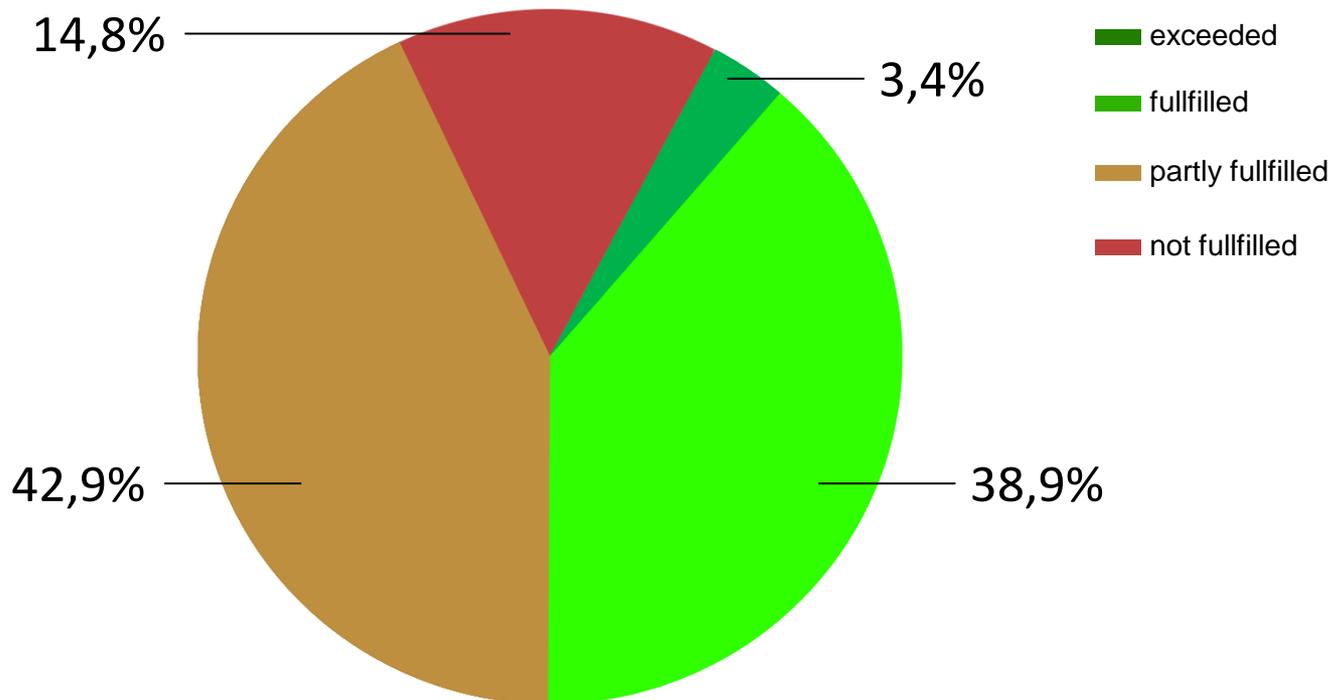Customers can choose from these examination options:

- Paper-based Exams

- E-Exams (PC-based)

- Coming soon: SMEX®- iSQI (Tablet-based)
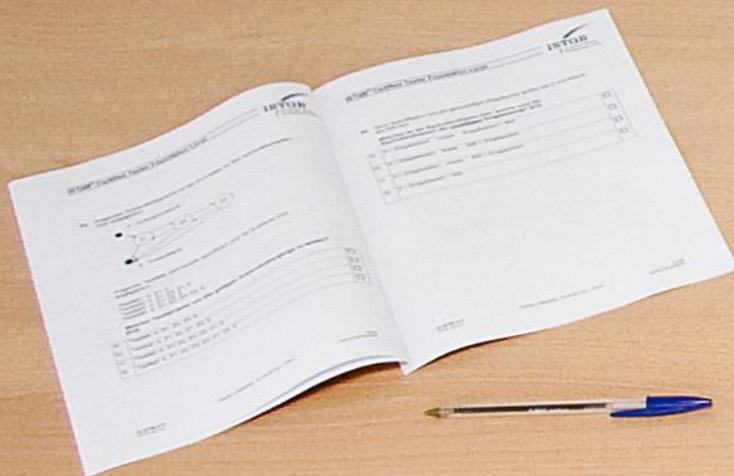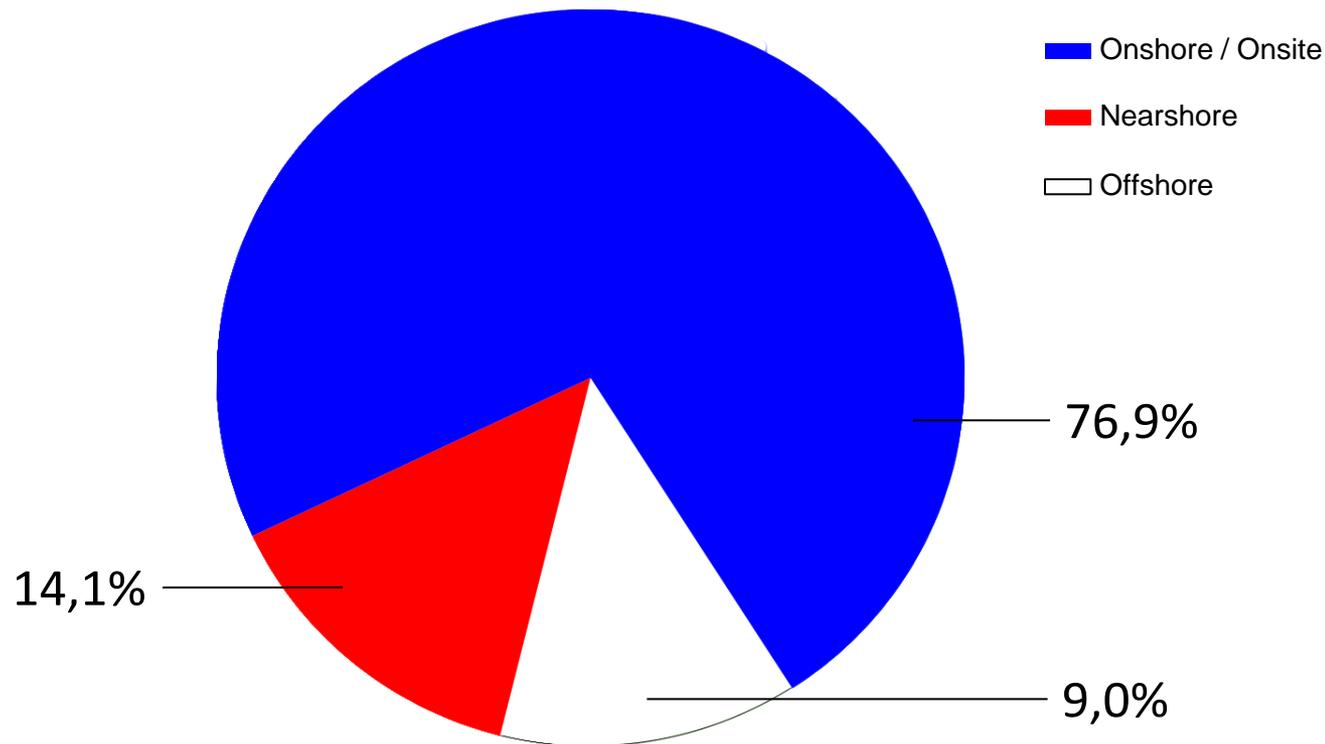
The importance of certification

- How satisfied are companies with outsourced projects?

Outsourcing Expectations ...

14,8%

3,4%

42,9%

38,9%

Legend:
- exceeded
- fullfilled
- partly fullfilled
- not fullfilled

- Is outsourcing really a strong trend in the IT industry?

Outsourcing Tendencies ...

Legend:
- Onshore / Onsite (blue)
- Nearshore (red)
- Offshore (white)

76,9%
14,1%
9,0%

Solution that iSQI® is promoting:

STANDARDIZED TRAINING

&

CERTIFICATION

Benefits of Certification: For Professionals

- Training on the Job (practical relevance, role based)

- Life Long Learning (includes latest findings, best practice)

- Common Understanding (across borders and language barriers)

- Reputation & Credibility & Personal Accomplishment

- Objective Measure of one's Skill Level

→ Support of Career Advancement and Increased Earnings

(„**Gartner 2006 IT Market Compensation Study**": average salary uplift **5 % - 11 %**)

11 %

5 %
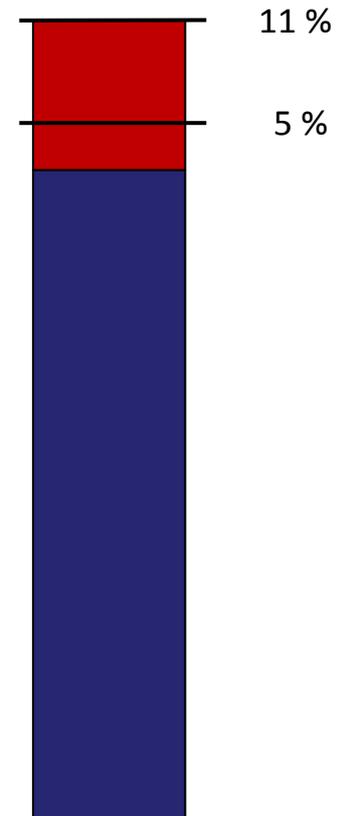
average income

Benefits of Certification: For Employers

- Improved Customer Satisfaction

- Increased Safety (in applicable industries)

- Professional Development Opportunities for Employees

- Increased Competence Level of Employees

- Compliance with Industry Regulations or Government Requirements

- Higher Credibility with Customers

→ Annual Savings due to Quality and Productivity Increase

Finding the right qualification

- How can I identify the right qualification?

Five criterias:

- International
- ISO 17024 compliant
- Independent
- Industry accepted
- Improvable

ISTQB® Certified Tester

- Promoting common language for testers globally
- Establishing strong quality focused syllabi, ensuring it is maintained with line with testing invocations
- Establish challenging exam questions and exams
- Ensure all accredited training providers meet stringent criteria
- Ensure common adoption of process within ISTQB® and its Member Boards around the globe
- Operating within an agreed code of ethics, and code of conduct

Worldwide standard introduced by ISTQB®: "ISTQB® Certified Tester"

- three qualification levels:

| Foundation Level |
| Advanced Level
Test Manager – Test Analyst – Technical Test Analyst |
| Expert Level |

COMING SOON

- more than 200.000 certifications for Certified Tester (as of December 2011) in 80 countries

- more and more companies ask for a ISTQB® Certified Tester certification

iSQI®
International Software Quality Institute

source: istqb.org

IREB® Certified Professional for Requirements Engineering

- The IREB Certified Professional for Requirements Engineering (CPRE) certification program is one of the leading global certification standards for requirements engineers

- The Foundation qualification is aimed at anyone involved in software development.

- This includes

  - Business Analysts
  - Requirements Engineers
  - Project- and IT Managers
  - Domain Experts
  - Software Developers
  - Software Testers and Quality Assurance Managers

- Requirements Engineering is a key discipline of system development

- Staff working at the interfaces must have good knowledge of the topic.

- Requirements engineering has significant impact on the project's success.

- It establishes the common basis for communication for all project involved disciplines.

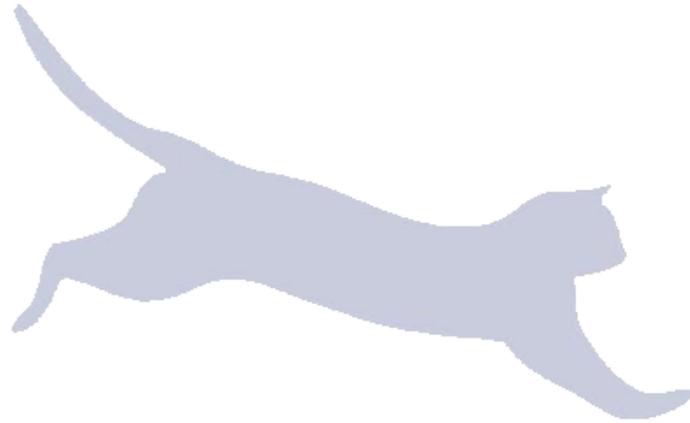- Good requirements engineering and requirements management helps to reduce the errors and overall costs of a project

■ More than 8.000 Certified Professionals for Requirements Engineering worldwide.

iSQI® Certified Agile Tester®

- Certified Agile Tester is the first training and certification program that focuses on the role of software tester in agile projects

- Instead of front-desk teaching, the Certified Agile Tester training tightly combines practice and theory

- Threefold certification examination: Theory (no multiple choice!), practical and soft skills assessment during the training

iSQI® Certified Agile Tester®

About the Course

iSQI®
International Software Quality Institute

Day 1 Agile Methods and Process	Day 2 Planning	Day 3 Testing	Day 4 Teams	Day 5 Assessment
Introduction	Requirements & Specifications	Continuous Integration	Test Automation	Practical Assessment
Daily SCRUM	Iteration 0	Version Management	Non Functional Testing	Written Examination
Problems with Traditional	Release Planning	Pairing	Debt Technical & Testing	
Agile Manifesto & Principles	Task Board	Acceptance Criteria	TDD	
Agile Methods	Test Strategy	Regression Testing	Teams	
Agile Process Option	Estimation	Defect Management	Agile For Large Projects	
Roles	Iteration Planning	Testing Exercises	Summary Testing Exercises	
Intro to Agile Exercise	Burndown Charts	Sample Questions	Sample Questions	
Sample Questions	Sprint Practice Exercises			
	Sample Questions			

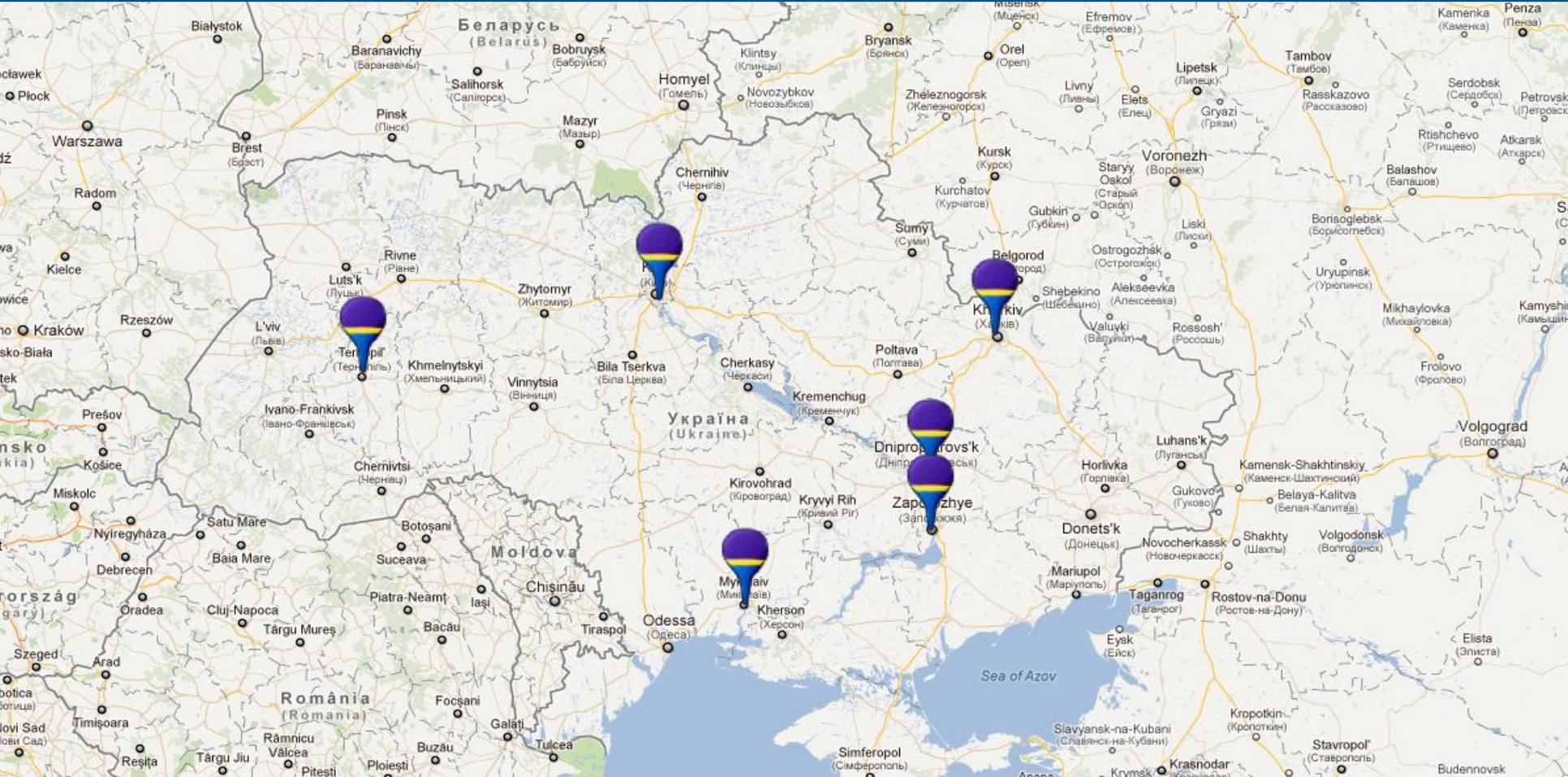- More than 400 certifications since its introduction in February 2011
- Over 40 Training providers worldwide

And where can I take my exam?

Test Centers all over the Ukraine
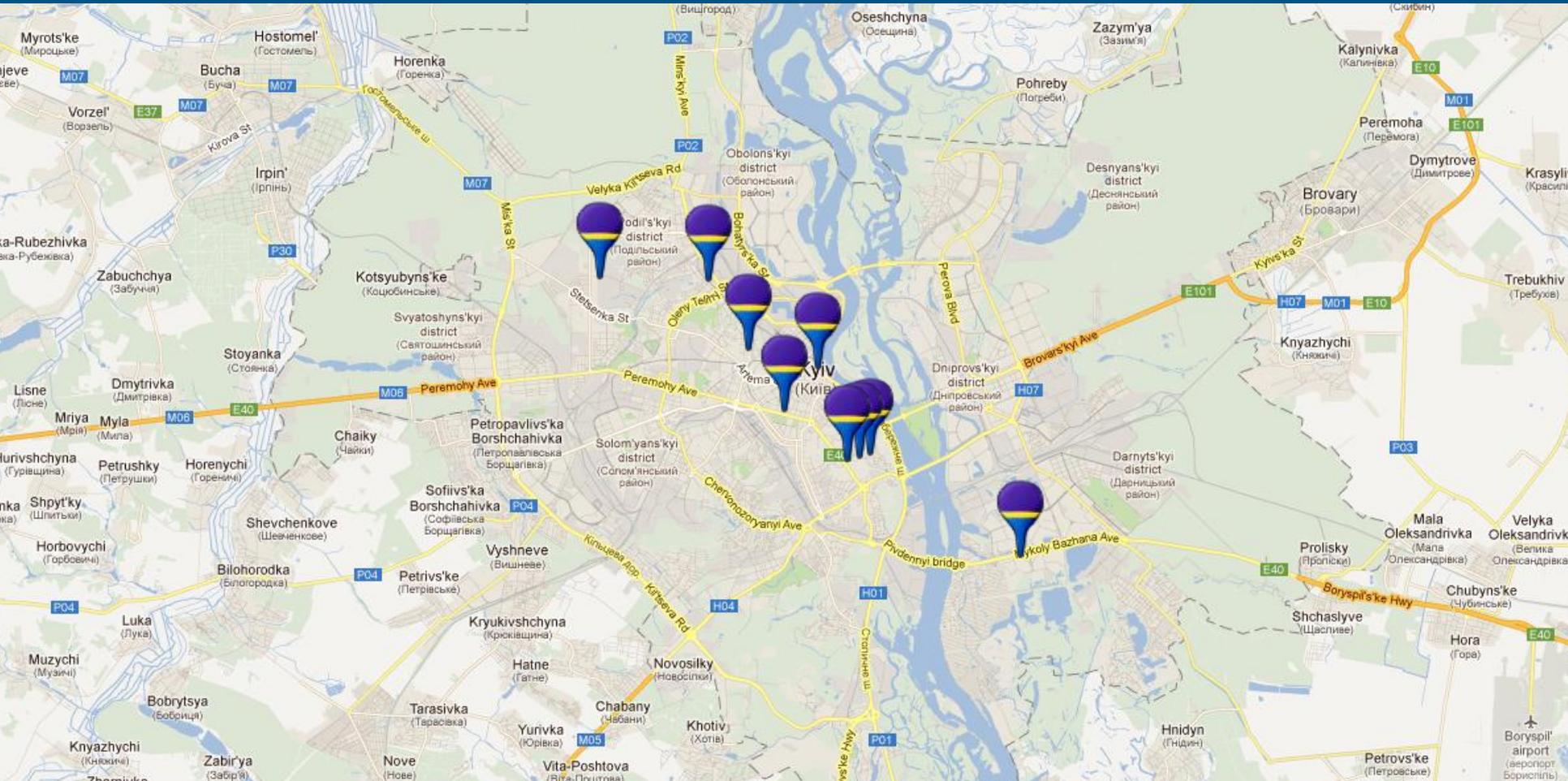
iSQI® as a Certification Body

E-Exam Testcenter in the Kyiv

Test Centers in Kyiv

Any advice how to behave in Ukraine?

Please let me know!

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