

## OVERVIEW

### CERTIFICATION PROGRAM OF THE INTERNATIONAL SOFTWARE QUALITY INSTITUTE

The International Software Quality Institute (iSQI) certifies IT personnel all over the world. iSQI holds examinations in the following certification schemes:

- ISTQB® Certified Tester
- iSAQB® Certified Professional for Software Architecture
- iSQI® Certified Professional for Project Management
- IREB® Certified Professional for Requirements Engineering
- iNTACSTM certified ISO/IEC 15504 Provisional Assessor
- iNTACSTM certified ISO/IEC 15504 Competent Assessor
- TTCN-3®-Certificate
- iNTCCM® Certified Professional for Configuration Management
- EU Certified Innovation Manager
- QAMP® – Quality Assurance Management Professional
- iNTCSM® International Certified Professional for IT-Security Management
- ISSECO® International Certified Professional for Secure Software Engineering
- T.I.S.P.® – TeleTrusT Information Security Professional

For more detailed information please visit our website at:  
[www.isqi.org](http://www.isqi.org)



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## REQUIREMENTS ENGINEERING



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# IREB® Certified Professional for Requirements Engineering

Requirements Engineering as the first step within system development decides on success or failure of projects. The IREB Certified Professional for Requirements Engineering certificate (Foundation Level) confirms that the owner is familiar with the terms and definitions of Requirements Engineering and Management as well as that he is able to use the basic technologies and methods of Requirements Engineering.

## The International Requirements Engineering Board (IREB e.V.)

IREB e.V. is a registered association. The members are international experts and active advocates of requirements engineering from business and industry, research and education. The chairman of the association is Chris Rupp.

### EXAMINATION AND CERTIFICATION PROVIDER:

The International Software Quality Institute, iSQI, is responsible for German and English examinations in several countries.

Please send your examination request to: [info@isqi.org](mailto:info@isqi.org)

### VALIDITY:

The IREB® Foundation Level certificate has life-long validity.

### CONTENT:

Extract from the Syllabus of the Foundation Level (Version of February 5th, 2007)

- General Basics of Requirements Engineering
  - Factors Influencing Requirements Engineering
  - Basics of Communication Theory
  - Profile of a Requirements Engineer
- Scope, Context and Interfaces

- Requirement Types and Description
  - Overview of Requirement Types
  - Behavioural Requirements
  - Data/Information Requirements
  - Non-Functional Requirements
  - Interface Requirements
- Requirements Documentation
  - Document Design
  - Glossary
  - Documentation Techniques for Requirements
- Acquiring Requirements
  - Sources for Requirements
  - Stakeholders
  - Elicitation of Requirements
  - Checking the Requirements
- Requirements Management
  - ID Management for Requirements
  - Attributes of Requirements
  - Views of Requirements
  - Traceability between Requirements
  - Priority of Requirements
  - Configuration Management for Requirements
  - Change Management for Requirements
- Tools

### ABOUT THE FOUNDATION LEVEL EXAM

- The examination itself takes 60 minutes and consists of multiple choice questions.
- The questions are of varying degrees of difficulty and are assigned different scores accordingly.
- To pass the examination, the candidate must achieve at least 60% of the total possible score.
- The certification authority notifies the candidate in writing of the test results and sends the certificate document to his home address.

### QUALIFICATION LEVELS

The “Certified Professional for Requirements Engineering” model offers three qualification levels.

- The goals of the Foundation Level are to convey the motivation for requirements engineering, to define the terms involved, to convey and present its activities, and to show how it differs from other disciplines.
- The Advanced Level (in preparation) enables a person to design a requirements engineering process and select the methods, processes and types of documentation in the context of his own company and project.
- The Expert Level (in preparation) specialises in requirements engineering topics specific to given domains and methods. The certification lists the surveyed domains and methods.

Further information

[www.isqi.org/en/certification](http://www.isqi.org/en/certification)  
[www.certified-re.de](http://www.certified-re.de)