



Certified Professional for Requirements Engineering

Expert Level

Oral Exam Evaluation Criteria

Stan Bühne, Martin Glinz, Rainer
Grau, Frank Houdek, Kim Lauenroth
Camille Salinesi, Stefan Sturm,
Hans van Loenhoud

Table of contents

1 Objectives 3

2 Target group 3

3 Preconditions 3

4 Exam format 3

5 Capabilities 4

1 Objectives

The CPRE Expert Level stands for the highest competence in Requirements Engineering. The CPRE Expert Level certifies:

- Ability to apply RE in a situational, creative way in new and dynamic contexts and different domains
- Innovation ability in the context of Requirements Engineering
- Methodological critique in the context of Requirements Engineering, i.e. identifying impediments in current processes and proposing and guiding improvement measures.
- Active contribution to the professionalization of the RE
- Coaching and mentoring competence in RE
- Strategic thinking: positioning RE in the corporate context
- Intercultural competence, i.e. to the ability to work as a Requirements Engineer in different cultural contexts
- Good knowledge of rules, guidelines and maxims and the ability to act without explicitly referring to them.
- Ability to intuitively grasp new situations based on a deep implicit understanding
- Ability to develop and apply ad-hoc analytical approaches in order to successfully master new situations or problems that arise
- Having a vision of what is necessary and possible

2 Target group

- Highly qualified Requirements Engineers with a minimum of 3 years full-time equivalent experience in Requirements Engineering (RE) or RE related activities
- Professionals who can operate RE in unknown and complex situations
- Professionals who can understand, position, and anchor RE in strategic business contexts
- Professionals who actively engage in people development and community contribution

3 Preconditions

- CPRE Foundation Level certificate (level 1)
- At least two CPRE Specialist certificate (level 3) or substitutions
- Professional experience, for a period equivalent to at least three years of full-time employment
- Contribution to people development or community activities

4 Exam format

Preparation phase for case study (2 hours)

- The applicant has to elaborate his or her suggestions on a given case

Oral exam (~ 1.5 hours, 2 assessors, plus 1 or 2 assessors as listeners)

Elements:

- Presentation on the given case followed by a discussion with the examiners
- In-depth discussions based on real-world scenarios
- Reflection on own projects, approaches and lessons learned
- Analysis and solution of a previously unknown case study
- Coaching Simulation: Guiding a junior colleague through an RE problem
- Discussion of current trends and their impact on RE
- Presentation of the candidate's personal contributions to the advancement and further development of RE (publications, communities, innovation projects)

Except the case study, not all elements may be touched in the exam

5 Capabilities

In the exam, a CPRE Expert candidate shall be able to demonstrate the following capabilities:

RE core topics along the existing CPRE Syllabi (L3– L4) :

Demonstrate a solid understanding and confident application of the key RE concepts covered in CPRE levels 1 through 3.

Competence in unknown contexts (L5) - dominant objective:

Develop requirements and solutions in new or highly complex domains and contexts.

Adapt and combine RE approaches and methods in a way that is appropriate to the situation.

Handle uncertainty and incomplete knowledge professionally.

Methodological reflection and innovation (L5):

Critically reflect on process models and RE methods and develop new approaches (e.g. use of AI, sustainability).

Integrate cross-disciplinary approaches into RE (e.g. UX, Lean, Agile, Systems Engineering, regulated environment).

Ability to explore novel RE approaches, adapt to emerging technologies (AI, sustainability, etc.), and drive innovation in RE various ecosystems

People development and leadership (L5):

Enhance the knowledge and application competence of RE practitioners by means of suitable coaching and mentoring measures.

Build and lead communities of practice.

Contribute to the further development of the discipline (e.g. in standardization, committee work, publications).

Communication and stakeholder management at CxO level (L5):

Communicate strategic requirements and their implications.

Apply RE in the context of corporate strategy and governance.

Manage stakeholders in organizations on a strategic level.