



Certification scheme GreenCert – GreenScent – Advanced Level

GreenCert – Advanced Level – Clean energy

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1 Scope

This certification scheme specifies the procedure of how the competence of persons in the field of GreenCert – Advanced Level, is being certified by ECQA GmbH.

The certification organization ECQA GmbH is an Austrian company, which is 60% owned by the non-profit organization European Certification and Qualification Association (ECQA).

The object of certification is exclusively / solely the competence of natural persons.

The certification is largely based on the principles of the International Standard ISO/IEC 17024:2012-07 Conformity assessment - General requirements for bodies certifying persons.

2 Requirements for competence

2.1 Competence Profile

Individuals certified in accordance with this certification scheme are competent to independently plan and deliver GreenCert – Advanced Level as a service, using appropriate technical tools and applications.

2.2 Knowledge and skill requirements

The transition to clean energy is a central pillar of the European Green Deal, necessitating a broad array of competencies that blend technical skills with strategic foresight and collaborative prowess. Key competence areas within the clean energy sector include renewable energy technologies, energy efficiency measures, and system integration skills. These competencies facilitate the development, deployment, and management of clean energy solutions that are sustainable and economically viable.

Professionals in this field must possess deep knowledge of alternative energy sources, including solar, wind, and hydroelectric power, as well as the technical acumen to innovate and improve energy storage and distribution systems. Additionally, skills in regulatory compliance, market analysis, and public policy are crucial for navigating the complex landscape of energy regulation and economic incentives. Moreover, attitudes toward continuous learning, adaptability, and collaboration are vital. These enable stakeholders from various sectors to work together effectively, promoting the integration of clean energy into existing infrastructures and societal norms.

The ultimate goal is to achieve a low-carbon economy that supports environmental sustainability and economic growth, aligning with the broader objectives of the Green Deal. Individuals performing GreenCert – Advanced Level Clean energy must demonstrate competencies as specified in Sections 2.2.1 through 2.2.3.

2.2.1 Unit 1 (Abbrev.U1)

- E1: Ethical and sustainable thinking (EQF3)
- E2: System thinking (EQF3)
- E3: Collaboration (EQF3)
- E4: Strategic action (EQF3)

2.2.2 Unit 2 (Abbrev.U2)

- E1: Renewable energies (EQF3)
- E2: Responsible production and consumption (EQF3)
- E3: Sustainable city and communities (EQF3)

2.2.3 Unit 3 (Abbrev. U3)

- E1: Industry, innovation and infrastructure (EQF3)
- E2: Financial and economic literacy (EQF3)

3 Requirements for admission to the examination

Prerequisite for admission to the examination is

- None (although the completion of a recommended training is suggested)

4 Multiple-Choice Exam

The examination is done in writing as a multiple-choice test online. The exam consists of 18 questions, from a pool of more than 54 questions in total, from the three subject areas as per section 2.2.1 to 2.2.3.

The maximum duration of the written exam is set at 45 min.

5 Evaluation Criteria

5.1 Multiple-Choice Exam

Each question is scored with a maximum of one point each. There are several answer options per question. For each the complete exam at least 50% of the total score must be achieved.

5.2 Overall assessment and examination repetition

To pass the overall examination, at least 50% must be achieved..

6 Issue and validity of certificates

The successful evaluation of the initial certification examination, according to section 5, is a prerequisite for the issuance of a certificate.

The certificates are valid for 3 years.

7 Recertification

7.1 Criteria for renewal of the certificate

To renew the certificate, the certificate holder must fulfil one of the following criteria:

- 7.1.1 The certificate holder must retake the exam.
- 7.1.2 The certificate holder must hand in a written report stating the use of the skills in a project/work environment proven by the school/university/company.

7.2 Issue of the certificate

After fulfilling all the criteria, according to 7.1, the certificate is renewed for 2 years.

7.3 Deadlines

Recertification must take place before the certificate expires. In exceptional cases, recertification may also take place after expiry of the certificate. In this case, the following conditions apply:

- 7.3.1 If the recertification takes place after the expiration of the validity of a certificate within a period of maximum 6 months, the recertification shall be carried out in accordance with the criteria and process specified in Section 7.1. Otherwise, an audit to the extent of the initial certification shall be performed in accordance with Section 5.
- 7.3.2 The validity of the certificate is always based on the date of initial certification. This means that the date of the initial certification is always taken as the starting point, regardless of the recertification date.