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Certification scheme GreenCert – GreenScent – Beginner Level

GreenCert – Beginner Level – Smart mobility

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E-Mail: info@ecqa.org

Internet: www.ecqa.org

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1 Scope

This certification scheme specifies the procedure of how the competence of persons in the field of GreenCert – Beginner 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 – Beginner Level as a service, using appropriate technical tools and applications.

2.2 Knowledge and skill requirements

The European Green Deal's emphasis on Smart Mobility reflects an urgent need to transform transportation systems to be more sustainable, efficient, and less reliant on fossil fuels. This area requires a comprehensive blend of technological, regulatory, and behavioural competencies to foster the adoption of smarter, cleaner transportation options. Key competencies in Smart Mobility include advanced knowledge in the development and implementation of electric and alternative fuel vehicles, including hybrids and hydrogen fuel cells. Expertise in intelligent transportation systems (ITS) that utilize data, sensors, and connectivity to optimize traffic flow, enhance safety, and reduce congestion is also critical. Professionals should also possess skills in urban planning and infrastructure design that support the integration of multi-modal transport solutions, such as cycling, walking, and shared mobility platforms. Understanding policy frameworks and incentives that promote sustainable transport options is necessary for shaping public behaviours and industry practices. Attitudes of adaptability, foresight, and commitment to sustainability are crucial. These attitudes encourage continual learning and innovation, essential for staying ahead in the rapidly evolving field of mobility. They also support collaborative efforts across sectors to develop integrated transport solutions that contribute to broader environmental goals and improve urban liveability. Overall, the push towards Smart Mobility under the Green Deal aims to reduce carbon emissions, improve air quality, and create more connected and accessible urban environments, enhancing the quality of life for all citizens. Individuals performing GreenCert – Beginner Level Smart mobility must demonstrate competencies as specified in Sections 2.2.1 through 2.2.3.

2.2.1 Unit 1 (Abbrev.U1)

- E1: Promoting nature (EQF1)
- E2: Promoting health (EQF1)

- E3: Promoting safety (EQF2)
- E4: Promoting security (EQF2)
- E5: Promoting efficiency (EQF1)

2.2.2 Unit 2 (Abbrev.U2)

- E1: Multidisciplinary approach (EQF2)
- E2: Critical thinking (EQF2)
- E3: Sustainable models identification (EQF2)
- E4: Learning (EQF1)

2.2.3 Unit 3 (Abbrev. U3)

- E1: Individual initiative (EQF2)
- E2: Collective initiative (EQF2)
- E3: Policy initiative (EQF2)
- E4: Anticipating risk (EQF2)
- E5: Exploiting opportunities (EQF2)
- E6: Communication (EQF2)

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 15 questions, from a pool of more than 30 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 30min.

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.