



2021-12-01

DRAFT

Project Plan for the CEN Workshop TRAIN4SUSTAIN “Establishing future-oriented training and qualification quality standards for fostering a broad uptake of sustainable energy skills in the European construction sector”

Workshop (to be approved during the Kick-off meeting on 2022-01-26 – to be confirmed)

1. Status of the Project Plan

- Initial draft Project Plan, to be further developed, prior to submission for approval

2. Background to the Workshop

The Workshop is related to the European funded project TRAIN4SUSTAIN - ‘Establishing future-oriented training and qualification quality standards for fostering a broad uptake of sustainable energy skills in the European construction sector’, submitted in the frame of Horizon 2020 (Call: H2020-LC-SC3-EE-2019 - project number: 894514 - duration: May 2020 - October 2022 – website: <https://train4sustain.eu>).

2.1 Project objective and main outcomes

TRAIN4SUSTAIN aims to stimulate demand for skilled construction sector professionals (architects, contractors, SMEs and workers) through raising acceptance of regional and national qualifications and skills on the EU construction market. To this end, comparability of national qualifications and sustainable energy skills is key for increased transparency and penetration power in the market.

TRAIN4SUSTAIN project fosters a common understanding of sustainable energy skills across Europe by implementing a **transnational Competence Quality Standard (CQS)** to evaluate, measure and report in a comparable way the level of competence, skills and knowledge of professionals and craftsmen.

Furthermore, a specific project work package is devoted to GPP, to stimulate and support the wider usage of requirements concerning sustainable skills for professionals and workers in public tenders for buildings. A set of policy recommendations and guideline addressing policy makers and public authorities dealing with GPP is available.

Two main tools support the achievement of TRAIN4SUSTAIN goals: the **European Skills Registry (ESR)**: a web-based Platform providing functions for comparing various qualification schemes and learning outcomes and for listing qualified experts in a central database connected to a match-making hub; the **Skills Passport** for facilitating transnational recognition of competence acquired by professionals and workers.



2.2 Connections with the EU context

The TRAIN4SUSTAIN Competence Quality Standard has been developed by the combined use and understanding of existing qualification schemes, initiatives, and standards in the field of sustainable building in Europe.

EU policy and related initiatives in this context base on the consideration that one important barrier hampering the development of NZEBs and effective renovations is the lack of adequate construction skills. Improving the skills of building professionals, as well as the various trade professionals in the area of sustainable energy efficient construction, is therefore of key importance.

The EU launched in 2011 the BUILD UP Skills initiative (<http://www.buildup.eu/en/skills>).

It aimed to increase the number of qualified trade professionals by developing national qualification platforms and roadmaps, and providing training in the field of energy efficiency and renewable energy in buildings. The scope of the initiative has been expanded to other building professionals under Horizon 2020, with projects developing multi-country qualification and training schemes.

Furthermore, TRAIN4SUSTAIN goals are strictly related to the Level(s) initiative promoted by EU DG Environment (https://ec.europa.eu/environment/levels_en). Level(s) is an assessment and reporting framework that provides a common language for sustainability performance of buildings. Level(s) promotes lifecycle thinking for buildings and provides a robust approach to measuring and supporting improvement from design to end of life, for both residential buildings and offices.

The methodological approach used for developing the TRAIN4SUSTAIN Competence Quality Standard, as well as the definitions for the terms “competence, skill and knowledge” corresponds to what is established in the context of the European Qualification Framework (EQF), the common European reference framework whose purpose is to make qualifications more readable and understandable across different countries and systems (COUNCIL RECOMMENDATION of 22 May 2017 (2017/C 189/03)).

3. Workshop proposers and Workshop participants

The CEN Workshop is proposed by the TRAIN4SUSTAIN consortium:

- iiSBE Italia R&D - IT (<http://iisbe-rd.it>)
- Geonardo Environmental Technologies - HU (<https://geonardo.com>)
- Dr. Jakob Energy Research – DE (<http://www.drjakobenergyresearch.de>)
- IIPLE - Istituto per l'Istruzione Professionale dei Lavoratori Edili – IT (<https://www.edili.com>)
- Government of Catalonia – Department of Territory and Sustainability - ES (<https://web.gencat.cat>)
- Chamber of Architects of Bologna – IT (<http://www.archibo.it>)
- Agence Qualité Construction – FR (<https://qualiteconstruction.com>)

At least one representative for each project partner organisation and one representative of the TRAIN4SUSTAIN Local Project Committee of each partner country will be involved in the CEN Workshop.

Relevant stakeholders will be specifically invited from the Standardization landscape.



4. Workshop scope and objectives

The goal of this CEN Workshop agreement is to develop a CWA based on the outcome of the TRAIN4SUSTAIN project. In particular, TRAIN4SUSTAIN Competence Quality Standard (CQS) will be used as a basis for the development of a common reference document acknowledged by the construction sector community Europe-wide.

The TRAIN4SUSTAIN (CQS) establishes a common reference framework and a methodology that allow to evaluate, score and report the Level of Competence of professionals and workers with regards to specific Areas of Expertise related to energy efficiency and sustainability at building and urban scale.

The TRAIN4SUSTAIN CQS framework can be defined as a hierarchical classification (taxonomy), structured into 5 levels, that covers the broad scope of energy efficiency and sustainability of buildings and urban areas and reflects the approaches of the most relevant sustainability certification systems at building and urban scale, including the recent Level(s) framework of core sustainability indicators issued by European Commission in October 2020.

The TRAIN4SUSTAIN CQS is a living and extendible system that can evolve over time as it is able to receive new inputs for instance, new areas of expertise related to the development of construction technologies, materials and methodologies, also fulfilling its “future-looking” mission.

The main users of the TRAIN4SUSTAIN CQS are:

- Professionals/experts (white collars and blue collars)
- Private and public clients (demand side)
- Scheme operators, training organisations and trainers.

The TRAIN4SUSTAIN CQS allows:

- the evaluation, scoring and reporting of the level of competence of professionals and workers of the construction sector with regards to specific Areas of Expertise related to sustainability at building and urban scale, on the base of Learning Outcomes acquired through the completion of formal/informal learning processes and/or work experiences;
- the mapping of existing qualifications and trainings in relation to building constructions, building energy efficiency and sustainability at national and transnational level and their integration in the framework through the identification of the Learning Outcomes provided.

At the present the TRAIN4SUSTAIN CQS covers 140 Areas of Expertise related to 1335 Learning Outcomes described through the analysis of 67 Qualification Schemes from 10 EU countries and 2 non-EU countries. 22 different professions are currently considered in the TRAIN4SUSTAIN CQS.

The TRAIN4SUSTAIN CQS framework, as well as the associated methodology for applying it, have been described in Deliverable D2.2 of the TRAIN4SUSTAIN project (link: D2.2 Competence quality standard for a common understanding of sustainable energy skills).



Annex A includes a first proposal of the list of content of the future CWA.

5. Workshop programme

CEN/WS official language will be English. The CWA will be in English.

Three versions of the CWA will be produced during the CEN Workshop: first draft, one intermediate version, and a final version, according to the following milestones (dates and meeting places are tentative and subjected to confirmation).

CEN Workshop participants will decide at a later stage during the development of the CWA if the document will be submitted also to the public commenting phase of 30 days.

Tentative Time-plan*

Description	Time	Place	Duration
Preparation of draft PP and presentation to CEN for starting official procedure	November 2021	N/A	N/A
1 st Meeting - Kick Off of Workshop (including 30 days official announcement on CEN website)	January 2022 Proposed date 26/01/2022	TBD	1 day
First draft of the CWA deliverable	February 2022	N/A	N/A
Workshop Plenary meeting	May 2022	TBD	1 day
Second deliverable	June 2022	N/A	N/A
Workshop Final Meeting and final version/approval of deliverable	July 2022	TBD	1 day
Publication of CWA deliverable - After editorial checks	September 2022	N/A	N/A

* The Time-plan is subjected to be modified in relation to the drafting process of the CWA and to the eventual decision on the submission of the document to 30-days commenting phase.

6. Workshop structure

The Workshop proposers suggest the following Workshop structure that has to be approved during the Workshop Kick-Off meeting:

Chair: Andrea Moro (iiSBE Italia R&D)

Main responsibilities:

- To preside at the Workshop plenary meetings
- To ensure that the Workshop delivers in lines with its Business plan;



- To manage the consensus building process
- To interface with CEN/WS Secretariat and CEN Management Centre regarding strategic indications, problems arising in the development of the CWA

Vice-Chair/Project leader: Luís Bragança (University of Minho)

Main responsibilities:

- To support the Chairman in the development process of the CWA
- To consolidate the comments received on the drafts during the enquiries and propose a resolution of comments for discussion with workshop participants
- With the support of the Secretariat, to prepare the drafts CWA to be circulated to CEN/WS participants

Secretariat: Fabio Rossi (UNI – Italian National Standard Body)

Main responsibilities:

- To offer the infrastructure for electronic operation (i.e. Livelink platform);
- To administer the CEN Workshop's members list(s) and official registration of participants;
- To manage documents and their distribution, and to update the document register;
- To prepare and distribute CEN/WS Documents (i.e. draft agendas and information on meetings arrangements, minutes of the meetings, draft CWAs, etc.);
- To chase actions as decided by the CEN Workshop meeting;
- To advise on the requirements of the CEN/CENELEC Internal Regulations and decisions of the CEN/CA and CEN/BT in the development of a CWA;
- To provide expertise in standardization and provide relevant standards to the Workshop, when or where necessary;
- To check conformity of all of the versions of the draft CEN Workshop Agreement to CEN rules;
- To initiate and manage the CWA approval process, upon decision by the Chairman;
- To record expression of support to the CWA for transmission to the CEN Management Centre;
- To participate to CEN Workshop plenary meetings, audioconferences and meetings with the Chairman.

7. Resource requirements

The registration and participation at this CEN Workshop is free of charge for every member of the Workshop, but each participant will bear his/her own costs for travel and subsistence.

The administrative costs of the Workshop Secretariat and other logistical support will be covered by iISBE.

8. Related activities, liaisons, etc.

It is suggested to establish a liaison, as appropriate, with CEN/TC 350 “Sustainability of construction works” and with CEN/TC 465 “Sustainable and smart cities and communities”.

9. Contact points



Such as Workshop Chairperson, Workshop Secretariat, Editors, CCMC contact, etc.

Proposed Chairperson:

Andrea Moro
iiSBE Italia R&D
Via Paolo Borsellino, 38/16
10138 Torino Italy
+39 011 4384323
andrea.moro@iisbeitalia.org
www.iisbe-rd.it

Secretariat:

Fabio Rossi
UNI –Ente Italiano di Normazione
Via Sannio, 2
20137 Milano
+39 02 70024468
fabio.rossi@uni.com
www.uni.com

CEN-CENELEC Management Centre

Pavlina Karagianni
Project Manager
CCMC
Rue de la Science 23, 1040 Brussels
Tel.: +32 2 550 0829
e-mail: pkaragianni@cencenelec.eu
<https://www.cencenelec.eu>



Annex A - General list of content of the future CWA

1. Introduction
2. Definitions
3. Connections with the European context
4. Development Process of the TRAIN4SUSTAIN Competence Quality Standard
5. Structure and methodological approach of the TRAIN4SUSTAIN Competence Quality Standard
 - Competence description and evaluation
 - Topics and Areas of Expertise
 - Reference Professions
 - Project stages
 - Spatial Scales
6. Applications of the TRAIN4SUSTAIN Competence Quality Standard
7. Maintenance and updating of the TRAIN4SUSTAIN Competence Quality Standard