

CEN Workshop “Guideline for harmonized training on Standardization for higher Education within the European Union”

Workshop description form

- PART A – Workshop Summary
- PART B – Project Plan

PART A – Workshop SUMMARY

1	WS details		
1.1.	Organization	☒ CEN ☐ CENELEC ☐ Joint with ☐ CEN lead ☐ CENELEC lead	
1.2.	Title	CEN Workshop Agreement on Guideline for harmonized training on Standardization for higher Education within the European Union	
1.3.	Scope	Formalize the teaching methods and content methods and training content for higher Education within the European. The overarching goal of workshop is to strengthen education and training in the field of standardization across the EU.	
1.4.	Does this WS stem from an EU Research project?	☒ YES Name of the project: Edu4Standards Grant number: 101135705 End date 31.12.2026 ☐ NO	
1.5.	Financial support	☒ EU Research project ☐ EC/EFTA Grant reference: Type here ☐ Other Specify, if needed: Type here	
1.6.	WS Proposer/Proposed Chair	Name: Organization: Postal address: Email: Phone: Webpage: Contact person (name and email):	Prof. Dr. Knut Blind Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI) Technische Universität Berlin (TU Berlin) Straße des 17. Juni 135 - 10623 Berlin knut.blind@tu-berlin.de +49 30 314-76638 https://www.isi.fraunhofer.de/en/publishing-notes.html https://www.tu.berlin/en/inno See above
1.7.	WS Secretariat	Organization: Postal address: Email: Phone: Webpage: WS Secretary name: Email: Phone:	German Institute for Standardisation (DIN) Am DIN-Platz, Burggrafenstraße 6, 10787 Berlin info@din.de +49 030 26010 https://www.din.de/ Bora Bülbül bora.buelbuel@din.de +49 30 2601 2712
1.8.	CEN and CENELEC Management Centre (CCMC) contact	Organization: Postal address: Webpage: CCMC Project Manager name: Email: Phone:	CEN and CENELEC Rue de la Science 23B - 1040 Brussels, Belgium https://www.cencenelec.eu/Pages/default.aspx Claire Van Thielen cwa@cencenelec.eu +3225500831 +32478793545
1.9.	Tentative date and place of the Kick-off Meeting	Date: 2025-12-16	Place: Online

1.10.	Does the proposed Workshop fall within the scope of existing CEN and/or CENELEC Technical Bodies?¹	☒ YES Specify: CEN/TC 353; CEN/TC 428 ☐ NO																									
1.11.	Are there other Technical Bodies or Joint Advisory and Coordination Groups potentially interested in the Workshop? ²	☒ YES Specify: Advisory Committee on Research & Innovation ISO/TC 342 Management consultancy; CEN/TC 428 ☐ NO																									
1.12.	Are the following aspects affected?	<table border="0"> <tr> <td>Safety matters</td> <td>YES³</td> <td>☐</td> <td>NO</td> <td>☒</td> </tr> <tr> <td>Management system aspects</td> <td>YES⁴</td> <td>☐</td> <td>7</td> <td>☒</td> </tr> <tr> <td>Conformity assessment aspects</td> <td>YES⁵</td> <td>☐</td> <td>NO</td> <td>☒</td> </tr> <tr> <td>Security matters</td> <td>YES⁶</td> <td>☐</td> <td>NO</td> <td>☒</td> </tr> <tr> <td></td> <td></td> <td></td> <td>8</td> <td></td> </tr> </table>	Safety matters	YES ³	☐	NO	☒	Management system aspects	YES ⁴	☐	7	☒	Conformity assessment aspects	YES ⁵	☐	NO	☒	Security matters	YES ⁶	☐	NO	☒				8	
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		Add information/explanations if Management System aspects and Conformity Assessment aspects are affected: Type here																									
2 WS Deliverables																											
2.1.	CWA #1																										
2.1.1	Title	☒ Same as WS title (1.2) ☐ Other: Type here																									
2.1.2	Scope	This document specifies the competence, consisting of knowledge, skills and attributes, needed to perform the tasks of standards professionals. This document is applicable to all personnel involved in some aspect of standardization in all types of organizations, including companies. This document formalizes the teaching methods and content of teaching, as well as other documents developed through the EDU4Standards project, implementing the service and development for standardization training in the European Union.																									
2.1.3	Does the proposed CWA conflict with a published EN	☐ YES Specify: Type here ☒ NO In case the answer is 'yes', the development of the CWA shall be stopped																									

¹ Part A and Part B of this form shall be sent by the WS secretary to the secretary of the Technical Bodies identified in this section to inform them about the creation of the WS and register any possible objection within 30 days (45 during the holiday period).

² Part A and Part B of this form should be sent by the WS secretary to the Bodies identified in this section to inform them about the creation of the WS.

³ Work on the proposed CEN and/or CENELEC Workshop shall not be initiated.

⁴ The CEN and/or CENELEC Workshop proposal shall be submitted to the CEN/CENELEC BT(s) for decision.

⁵ CEN-CENELEC Internal Regulations - Part 3, Clause 33 applies.

⁶ For projects dealing with security matters the security risk analysis provided in Annex I shall be carried out.

⁷ See Note 2 in CEN-CENELEC Guide 29, Clause 3.

⁸ See Note 2 in CEN-CENELEC Guide 29, Clause 3.

PART B – Project Plan

Abstract

1 Status of the project plan

Draft project plan for public commenting (Version 1.0)

This draft project plan is intended to inform the public of a new Workshop. Any interested party can take part in this Workshop and/or comment on this draft project plan by sending an email to the WS secretary.

All those who have applied for participation or have commented on the project plan by the deadline will be invited to the kick-off meeting of the Workshop on **2025-12-16**.

2 Workshop proposer and potential Workshop participants

2.1 Workshop proposer

Person (and organization) 1: Prof. Dr. Knut Blind (Technical University of Berlin and Fraunhofer Institute for Systems and Innovation Research ISI)

Short description and interest in the subject:

The Fraunhofer Institute for Systems and Innovation Research ISI analyses the origins and impacts of innovations. We research the short- and long-term developments of innovation processes and the impacts of new technologies and services on society. Today, Fraunhofer ISI employs more than 400 staff members, among them scientists from the fields of natural sciences, engineering, economics and social sciences who each year work on about 400 research projects. The annual budget, more than 40 million euro in 2024, is mainly earned from contracts performed for national and international public bodies, for industry and for foundations and scientific organisations.

The primary focus of the Competence Center Policy and Society is the analysis and evaluation of research, technology and innovation policy measures, including regulation and standardisation. The prerequisite for being able to do this is profound knowledge of how national and international research and innovation systems function and their dynamics. Our scientific policy advice concentrates on analyses of the preconditions and success factors of state intervention in the innovation system; the drivers, interdependencies, developments and effects of internationalization processes (e.g. European Research Area); support instruments for innovation-oriented company start-ups, among others; the demographic dimensions of the innovation system (gender, mobility, careers), and knowledge and technology transfer processes.

The core task of the business unit "Regulation and Innovation" within the Competence Center Policy and Society is to analyse and assess regulatory framework conditions with regard to their effects on innovation. Our work provides background knowledge and impulses for designing innovation-friendly regulatory framework conditions, primarily for governmental decisionmaking bodies. However, we also deal with the self-regulation of actors in business and society, especially in the form of standardization, so that we can offer expert advice to decision-makers in business and other non-governmental organizations. Our distinguishing feature is our profound knowledge of how regulation and standardization function at national, European and international level and the dynamics involved. We consider the innovation effects of the entire quality infrastructure, which includes regulation and standardization, certification and accreditation as well as metrology. Knut Blind as head

of the business unit “Regulation and Innovation” and coordinator of EDU4Standards. EDU4Standards is a European project that strengthens education and training in the field of standardization – in line with the EU Standardization Strategy of 2022 and the Code of Practice on Standardization of 2023. Knut Blind has the responsibility to transfer the insights from the EDU4Standards project into a CWA, but also to distribute the insights among the more than 30,000 researchers active at the Fraunhofer Society and the more than 100,000 researchers organized with the European Association of Research, and Technology Organization (EARTO).

At TU Berlin, approximately more than 7, 000 staff and almost 400 professors are engaged in scientific exploration, while more than 30,000 students have the opportunity to choose from around 140 study programs. This diversity highlights the exceptional variety in teaching, research, and development opportunities, spanning from fundamental research to practical applications. Alongside the traditional engineering and natural sciences, the university's profile is also shaped by the humanities, social sciences, planning, and economics, creating an environment where technological expertise and societal responsibility complement each other. The field of Innovation Economics within the Institute for Technology and Management at the Faculty of Economics and Management was established in 2006 in collaboration with the Fraunhofer Institute for Systems and Innovation Research (ISI). Prof. Knut Blind is responsible for the business area of Innovation and Regulation and is responsible for the lecture (6 ECTS) Strategic standardisation taking place each semester.

The TU Berlin is implementing the service and development for standardization training in the European Union in its EDU4Standards project. The aim is to train the next generation of professionals for European standardization work and to build a sustainable expert base in the long term. Against this background, the objective is the development of a CEN Workshop Agreement on Standardization Training in the European Union (CEN Workshop Agreement (CWA)), which formalizes the teaching methods and content developed within the project, as well as other documents developed by the project partners.

2.2 Potential participants

This CWA will be developed in a Workshop (temporary body) that is open to any interested party. The participation of the following persons/organizations would be helpful and is desired. It is recommended that:

- Academic and research institutions involved in education, innovation, or standardization,
- University and higher education institutions (HEIs),
- National Standardization Bodies (NSBs),
- Industry stakeholders and professional associations across various sectors,
- etc.

take part in the development of this CWA.

3 Workshop objectives and scope

1 Workshop background

Standardization and standards play a crucial role in the economic development of the European Union, particularly with regard to deepening the integration of the internal market. Standards are not only essential for economic growth but also central to achieving the United Nations Sustainable Development Goals (SDGs) and supporting the digital and ecological transition.

Yet, there is a significant shortage of standardization education, as only a few higher education institutions in the EU offer relevant courses. This deficit is particularly critical given the growing need for over 100,000 standardization experts – triggered by the increasing importance of standards in diverse and complex fields. While other regions of the world have already made significant progress in standardization education, the Horizon Europe EDU4Standards program is addressing this gap through a strategic, sustainable, and innovative educational approach at EU higher education institutions. The project involves leading European universities in standardization education and research, guided by the Humboldtian principle of linking academic knowledge with practical application. EDU4Standards is developing an innovative teaching concept tailored to the diverse needs of industry – including small and medium-sized enterprises (SMEs) – while simultaneously addressing the specific challenges of digital and ecological transformation. In a series of pilot projects, existing gaps in current standardization teaching will be identified and new teaching materials developed. The goal is to disseminate these new concepts and materials to EU universities – especially those that do not currently offer standardization courses. In addition, the project will encourage participation by introducing a new Education Award and increase visibility by organizing 15 "Academic Standards Days" in cooperation with national standardization bodies. The establishment of a student initiative for standardization is also planned.

The planned workshop is derived from the EDU4Standards project, funded under the Horizon Europe programme (Grant Agreement No. 101135705). The project aims to foster the integration of standardization into academic education and develops outputs that form the basis for this CWA. The CWA will provide a framework for embedding education about standardization into academic programs, supporting educators, policymakers, and institutions in aligning with best practices. It will support the development of knowledge, skills, and competences related to standardization. Future benefits include a harmonized approach to standardization education in Europe, increased engagement of academia in standardization activities, and improved integration of standardization in innovation and research projects.

Relevant documents:

- IWA 30-1 Competence of standards professionals - Part 1: In companies
- IWA 30-2 Competence of standards professionals - Part 2: In standards-related organizations

4 Workshop programme

4.1 General

The kick-off meeting is planned to take place on 16.12.2025 as hybrid meeting in Berlin. A draft for public commenting will be published.

A total of 3 Workshop meetings (kick-off meeting and Workshop meetings) and web conferences will be held, during which the content of the CWA(s) will be presented, discussed and approved.

The working language (language of meetings, minutes, etc.) of the WS will be **English**. The CWA will be written in **English**.

4.2 Workshop schedule

Table 1: Workshop schedule (preliminary)

CEN/CENELEC Workshop	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12
Initiation												
1. Workshop description form submission and TC response												
2. Open commenting period on draft project plan (mandatory)												
Operation												
3. Kick-off meeting												
4. CWA(s) development												
5. Open commenting period on draft CWA(s) (optional)												
6. CWA(s) finalized and approved by Workshop participants												
Publication												
7. CWA(s) publication												
Dissemination (see 6)												
Milestones												



Legend

- K** Kick-off
- M** Workshop meeting
- V** Virtual Workshop meeting
- A** Adoption of CWA
- P** Publication of CWA
- D** Online distribution of CWA

5 Resource planning

The Workshop will be financed within the framework of a research project. Consortium membership and participation in the project meetings is free of charge, as the costs incurred throughout the performance of this project will be financed by funding from the Horizon Europe research project "Edu4Standards".

All costs related to the participation of interested parties in the Workshop's activities have to be borne by themselves. The copyright of the final CEN Workshop Agreement will be at CEN. The final document will include the following paragraph: "Results incorporated in this CEN Workshop Agreement received funding from the European Union's HORIZON Europe research and innovation programme under grant agreement number 101135705 (EDU4Standards)."

6 Workshop structure and rules of cooperation

6.1 Participation in the Workshop

The Workshop will be constituted during the kick-off meeting. By approving this project plan, the interested parties declare their willingness to participate in the Workshop and will be formally named as Workshop participants, with the associated rights and duties. Participants at the kick-off meeting who do not approve the project plan are not given the status of a Workshop participant and are thus excluded from further decisions made during the kick-off meeting and from any other decisions regarding the Workshop.

As a rule, the request to participate in the Workshop is closed once it is constituted. The current Workshop participants shall decide whether any additional members will be accepted or not.

Any new participant in the Workshop at a later date is decided on by the participants making up the Workshop at that time. It is particularly important to consider these aspects:

- a. expansion would be conducive to shortening the duration of the Workshop or to avoiding or averting an impending delay in the planned duration of the Workshop;
- b. the expansion would not result in the Workshop taking longer to complete;
- c. the new Workshop participant would not address any new or complementary issues beyond the scope defined and approved in the project plan;
- d. the new Workshop participant would bring complementary expertise into the Workshop in order to incorporate the latest scientific findings and state-of-the-art knowledge;
- e. the new Workshop participant would actively participate in the drafting of the manuscript by submitting concrete, not abstract, proposals and contributions;
- f. the new Workshop participant would ensure wider application of the CWA.

All Workshop participants who approved the publication of the CWA or its draft will be named as authors in the European Foreword, including the organizations which they represent. All Workshop participants who did not approve the publication of the CWA will not be named in the European Foreword.

6.2 Workshop responsibilities

The Workshop Chair is responsible for content management and consensus building. The Workshop Chair is supported by the Workshop Vice-Chair (if any) and the responsible Workshop secretariat, whereby the Workshop secretariat will always remain neutral regarding the content of the CWA(s). Furthermore, the Workshop secretariat shall ensure that CEN-CENELEC's rules of procedure, rules of presentation, and the principles

governing the publication of CWA(s) have been observed. Should a Workshop Chair no longer be able to carry out her/his duties, the Workshop secretariat shall initiate the election of a new Workshop Chair. The list below covers the main tasks of the Workshop Chair. It is not intended to be exhaustive.

- Content related contact point for the Workshop
- Presides at Workshop meetings
- Ensures that the development of the CWA respects the principles and content of the adopted project plan
- Manages the consensus building process, assesses when the Workshop participants have reached agreement on the final CWA, on the basis of the comments received
- Ensures due information exchange with the Workshop secretariat
- Represents the Workshop and its results to exterior

The Workshop secretariat, provided by a CEN and/or CENELEC Member, is responsible for organizing and leading the kick-off meeting, in consultation with the Workshop proposer. Further Workshop meetings and/or web conferences shall be organized by the Workshop secretariat in consultation with the Workshop Chair. The list below covers the main tasks of the Workshop secretariat. It is not intended to be exhaustive.

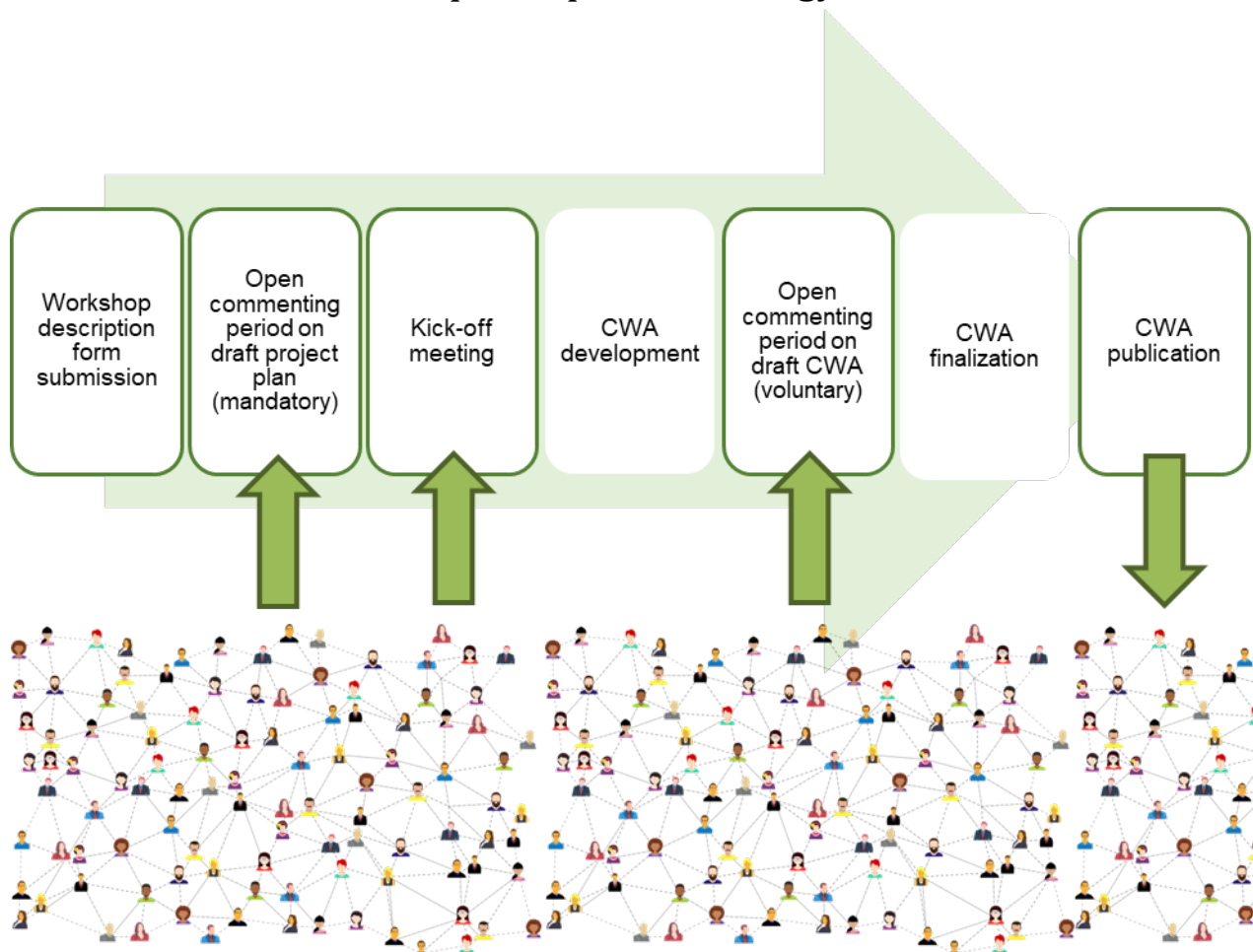
- Administrative and organizational contact point for the Workshop
- Ensures that the development of the CWA respects the principles and content of the adopted project plan and of the requirements of the CEN-CENELEC Guide 29
- Formally registers Workshop participants and maintains record of participating organizations and individuals
- Offers infrastructure and manages documents and their distribution through an electronic platform
- Prepares agenda and distributes information on meetings and meeting minutes as well as follow-up actions of the Workshop
- Initiates and manages CWA approval process upon decision by the Workshop Chair
- Interfaces with CEN-CENELEC Management Centre (CCMC) and Workshop Chair regarding strategic directions, problems arising, and external relationships
- Advises on CEN-CENELEC rules and brings any major problems encountered (if any) in the development of the CWA to the attention of CEN-CENELEC Management Centre (CCMC)
- Administrates the connection with relevant CEN or CENELEC/TCs

6.3 Decision making process

The CEN and/or CENELEC Workshop Chair is responsible for ensuring that the development of the CWA follows the principles and content of the project plan described in this document and the requirements of CEN-CENELEC Guide 29. The CEN and/or CENELEC Workshop Chair may take decisions on the conduct of the CEN and/or CENELEC Workshop on the basis of the comments expressed by the participants and of CEN-CENELEC Guide 29.

Each Workshop participant is entitled to vote and has one vote. If an organisation sends several experts to the Workshop, that organisation has only one vote, regardless of how many Workshop participants it sends. Transferring voting rights to other Workshop participants is not permitted. During voting procedures, decisions are passed by simple majority; abstentions do not count. If Workshop participants cannot be present in the meetings when the CWA or its draft is adopted, an alternative means of including them in the voting procedure shall be used.

7 Dissemination and participation strategy



Proposal form submission

The Workshop proposal will be disseminated to the following relevant stakeholders and bodies for consultation:

- standards committee, working group etc.
- publisher of technical rules
- others

Open commenting period on draft project plan

The project plan will be disseminated to the following relevant stakeholders and bodies for commenting:

- standards committee, working group etc.
- publisher of technical rules
- others

In addition to the CCMC website, the project plan and the date of the kick-off meeting will be advertised on the project website to raise awareness. Interested parties are requested to contribute either through commenting of the project plan (short term) or through Workshop participation (long term).

Open commenting period on draft CWA:

The draft CWA will be disseminated to the following relevant stakeholders and bodies for commenting:

- standards committee, working group etc.
- publisher of technical rules
- others

In addition to the CCMC website, the draft CWA will be advertised on the project website to raise awareness. Interested parties are requested to contribute through commenting of the draft CWA (short term).

CWA publication:

The final CWA will be **made available free of charge and** disseminated to the following relevant stakeholders and bodies:

- standards committee, working group etc.
- publisher of technical rules
- others

In addition to the CCMC website, the final CWA will be advertised on:

- social media, such as o LinkedIn
- EC Newsroom
- Others such as EC Newsroom