

CEN Workshop ‘Challenge test for analysing presence of contaminants before / after samples decontamination’

Workshop description form

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

PART A – Workshop SUMMARY

1	WS details		
1.1.	Organization	<input checked="" type="checkbox"/> CEN <input type="checkbox"/> CENELEC <input type="checkbox"/> Joint with <input type="checkbox"/> CEN lead <input type="checkbox"/> CENELEC lead	
1.2.	Title	CEN/WS “Challenge test for analysing presence of contaminants before / after samples decontamination” (select CEN or CLC or leave CEN/CLC in case of joint WS)	
1.3.	Scope	Establish an artificial contamination method to prepare plastic samples (= challenge test) including determined concentration of contaminants, i.e. surrogate contaminants that have a variety of chemical and physical properties. The challenge test serves to check the performance of decontamination step of a recycling process removing same or similar contaminants as those of the challenge test.	
1.4.	Does this WS stem from an EU Research project?	<input checked="" type="checkbox"/> YES Name of the project: Safe-, sUustainable- and Recyclable-by design Polymeric systems A guidance towardS next generation of plasticS (SURPASS) Grant number: 101057901 <input type="checkbox"/> End date 30-11-2025 <input type="checkbox"/> NO	
1.5.	Financial support	<input checked="" type="checkbox"/> EU Research project <input type="checkbox"/> EC/EFTA Grant reference: Type here <input type="checkbox"/> Other Specify, if needed: Type here	
1.6.	WS Proposer	Name: Organization: Postal address: Email: Phone: Webpage: Contact person (name and email):	Safe-, sUustainable- and Recyclable-by design Polymeric systems A guidance towardS next generation of plasticS (SURPASS) (Project under EU Horizon 2021 Research and Innovation Program and Grant number: 101057901) RUE LEBLANC 25, PARIS 15 75015, France simon.clavaguera@cea.fr +33 4 38 78 43 04/ +33 7 50 67 57 61 https://www.surpass-project.eu/ Simon CLAVAGUERA simon.clavaguera@cea.fr
	WS Proposed Chair	Name: Organization: Postal address: Email: Phone: Webpage: Contact person (name and email):	Catherine COLIN CENTRE TECHNIQUE INDUSTRIEL DE LA PLASTURGIE ET DES COMPOSITES(IPC) RUE PIERRE ET MARIE CURIE 2, BELLIGNAT 01100, France Catherine.COLIN@ct-ipc.com +33 4 74 81 92 60 www.ct-ipc.com Catherine COLIN (Catherine.COLIN@ct-ipc.com)

1.7.	WS Secretariat	Organization: Postal address: Email: Phone: Webpage: WS Secretary name: Email: Phone:	UNE – Spanish association for standardization Calle Génova 6, Madrid (Spain),28004 info@une.org +34 915 294 900 www.une.org Teresa Sanchez Segura tsanchez@une.org +34 650 251 555
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: 2025-07-02	Place: Online
1.10.	Does the proposed Workshop fall within the scope of existing CEN and/or CENELEC Technical Bodies?¹	<input checked="" type="checkbox"/> <input type="checkbox"/>	YES Specify: CEN/TC 462 – Regulated chemicals in products NO
1.11.	Are there other Technical Bodies or Joint Advisory and Coordination Groups potentially interested in the Workshop? ²	<input checked="" type="checkbox"/> <input type="checkbox"/>	YES Specify: CEN/TC 249 – Plastics – CEN/TC 261 – Packaging – CEN-CLC Coordination Group on Circular Plastics NO
1.12.	Are the following aspects affected?	Safety matters Management system aspects Conformity assessment aspects Security matters	YES ³ <input type="checkbox"/> YES ⁴ <input type="checkbox"/> YES ⁵ <input type="checkbox"/> YES ⁶ <input type="checkbox"/> NO <input checked="" type="checkbox"/> 7 <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input type="checkbox"/> 8
		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	<input checked="" type="checkbox"/> <input type="checkbox"/>	Same as WS title (1.2) Other: Type here

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.

2.1.2	Scope		CWA applicable for decontamination processes of plastic samples. Applicable to determine the efficiency of the process and measure the removal of contaminants.
2.1.3	Does the proposed CWA conflict with a published EN	<input type="checkbox"/> <input checked="" type="checkbox"/>	YES Specify: Type here NO

PART B – Project Plan

Abstract

An artificial contamination method (i.e. challenge test) was established during SURPASS Horizon Europe project (Grant # 101057901) for analysing the presence of contaminants before / after samples decontamination. This method can be used beyond the project; a CWA project is proposed to CEN/TC 462 “Regulated chemicals in products” - in that sense. CEA, IPC, Fraunhofer ICT and UNE will participate in the development of the CWA. The challenge test objective is to check the performance of a decontamination process removing same or similar contaminants as those of the challenge test. The challenge test is based on contaminants proposed by a FDA protocol. It provides precise indications on the contaminants’ selection by taking in account their chemical and physical properties and on preparation steps of the artificially-contaminated polymer. This method was adapted to use of ingredients with lower toxicity for safer work conditions of laboratory and production workers. No European standard was identified in relation to “Challenge test for analysing presence of contaminants before / after samples decontamination”. The CWA will describe the protocol required to obtain artificially contaminated plastic samples from virgin plastic and selected contaminants.

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 2025-07-02.

2 Workshop proposer and potential Workshop participants

2.1 Workshop proposer

The workshop is proposed by the EU-funded research project SURPASS (GA 101057901).

SURPASS is a demonstration of innovative technologies towards more safe, sustainable and recyclable polymeric materials for Small and Medium Enterprises in building, transport and packaging sector.

More information: <https://www.surpass-project.eu/>

In the SURPASS project, The French Alternative Energies and Atomic Energy Commission (**CEA**) **acts as Project Coordinator**. CEA is a public body established in October 1945. As leader in research, development and innovation, CEA is active in four main areas: low-carbon energies, defence and security, information technologies and health technologies. In each of these fields, CEA maintains a cross-disciplinary culture of engineers and researchers, building on the synergies between fundamental and technological research.

The SURPASS project partner **IPC will chair the WS** and lead the CWA that originated the proposed work. IPC is the French Industrial & Technical Centre for Plastics and Composites. IPC is a non-profit, non-public entity, under affiliation of the Department of Enterprises (DGE) supporting the French Ministry of Economy, Finance and Recovery. Its main mission is to support their approx. 2000 affiliated National plastic and composite industries

(that mainly consist in SMEs) through centres established across France. In addition, Normalisation Bureau for Plastics (BNPP) who oversees several normalization Committees under mandate from AFNOR (including CEN/TC 249 Plastics) became a department of IPC as from January 2021.

Proposed Chair: Catherine COLIN. Environment & Health Programme Manager at IPC Research Centre

Proposed Secretariat: Teresa Sánchez. Project Officer at UNE (Spanish Association for Standardization).

2.2 Potential participants

This CWA will be developed in a Workshop (temporary body) that is open to any interested party. The participation of other experts would be helpful and is desired.

Participation from the following SURPASS project partners is expected:

- Fraunhofer Institute for Chemical Technology ICT
- Commissariat à l'énergie atomique et aux énergies alternatives, CEA
- Spanish Association for Standardization – UNE

It is also recommended that:

- Researcher institutions in material science
- Industries in the field of polymers and nanotechnology
- Policymakers focused on sustainability and innovation
- Representatives of legal authorities in charge of the application of recycling regulations

take part in the development of this CWA.

3 Workshop objectives and scope

3.1 Workshop background

- Motivation for the creation of this Workshop: during SURPASS Horizon Europe project, an artificial contamination method (i.e. challenge test) was defined and practiced. As the method can be used beyond the project's duration, the project team is willing to make it available as broadly as possible. As the SURPASS project comprises standardization experts, a CWA workshop was initiated and a workshop form was submitted to CEN/TC 462 to alert them of the proposal and to ensure that there were no objections. The workshop should answer the need of having a CEN method for preparing challenge tests. The objective is to use it for checking the performance of decontamination processes in a balanced and comparable way. The current issue is the absence of a common European method and the co-existence of several heterogeneous methods to prepare a challenge test. In answer to this issue, the workshop will transcribe the challenge test defined and practiced during SURPASS project into a recognized CEN method. It should contain operational steps and criteria to prepare the challenge test. Its application scope should be defined clearly. A first benefit of the workshop will be the availability of a CEN harmonized and comparable method for challenge test. Another benefit will be the possibility to prepare challenge test with lower toxicity surrogates for the safety of laboratory and production workers. Inter-

laboratory tests to validated defined method will not be part of the CWA, as the method was already practiced and confirmed by several entities during SURPASS project.

- Market environment: few decontamination processes exist at industrial scale for plastic wastes. Innovations on these processes are progressing quickly with a good hope to see them at industrial scale in two or three years. The existence of a challenge test method is essential to control the performance of these decontamination processes and quantify their contribution to the removal of contaminants from plastic wastes. EU regulations give the criteria on maximum allowed presence of contaminants (using thresholds) into articles. This indicates what objectives the decontamination processes should achieve in terms of removed contaminants. The CWA proposed differs from existing non-harmonized methods in lowering the toxicity of selected contaminants to better protect the health of laboratory and production workers working on decontamination processes.
- The workshop stem from EU Research project SURPASS, a project under EU Horizon 2021 Research and Innovation Program and Grant number: 101057901.
- Legal environment: European regulations that will benefit from this workshop are all regulations concerning the incorporation of recycled content into articles. In particular, the following can be highlighted: the REACH regulation (EC 1907/2006), the regulation on packaging and packaging waste (PPWR, EU 2025/40), the Directive (EU) 2019/904 on the reduction of the impact of certain plastic products on the environment, the regulation on plastic materials and articles intended to come into contact with food (EU No 10/2011), the regulation on recycled plastic materials and articles intended to come into contact with foods (EU 2022/1616) and the regulation establishing a framework for the setting of ecodesign requirements for sustainable products (ESPR, EU 2024/1781).
- No European standard was identified in relation to “Challenge test for analysing presence of contaminants before / after samples decontamination”. A US FDA method was identified as an existing method. The workshop will require liaisons with CEN/TC 249 – Plastics, CEN/TC 261 – Packaging and CEN-CLC Coordination Group on Circular Plastics.

4 Workshop programme

4.1 General

The kick-off meeting is planned to take place on 2025-07-02, online as virtual meeting. A draft for public commenting will be published for 30 days.

After the kick-off meeting, the necessary number of Workshop meetings (kick-off meeting and Workshop meetings) and web conferences will be held, during which the content of the CWA will be discussed, agreed and approved. The number of agreed meetings will be arranged as needed in the drafting and agreement process. Online work will be preferred to improve the sustainability of this work.

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

A tentative timeline is described in the Figure below.

Table 1: Workshop schedule (preliminary)

CEN/CENELEC Workshop	Apr25	May25	Jun25	Jul25	Ago25	Sep25	Oct25	Nov25	Dec25
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									
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

Registration and participation at this CEN Workshop are free of charge, but each participant shall bear his/her own costs for travel, accommodation, and subsistence in the case of on-site meetings (at the moment of writing this document all meetings are planned to take place on-line).

The administrative costs of the CEN Workshop Secretariat will be financed within the framework of a research project: European Union's Horizon 2020 research and innovation program funded project SURPASS (grant agreement No. 101057901).

The copyright of the CWAs shall be with CEN. 8% secretariat costs will be provided by UNE to CCMC to cover the free download of the published CWA.

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

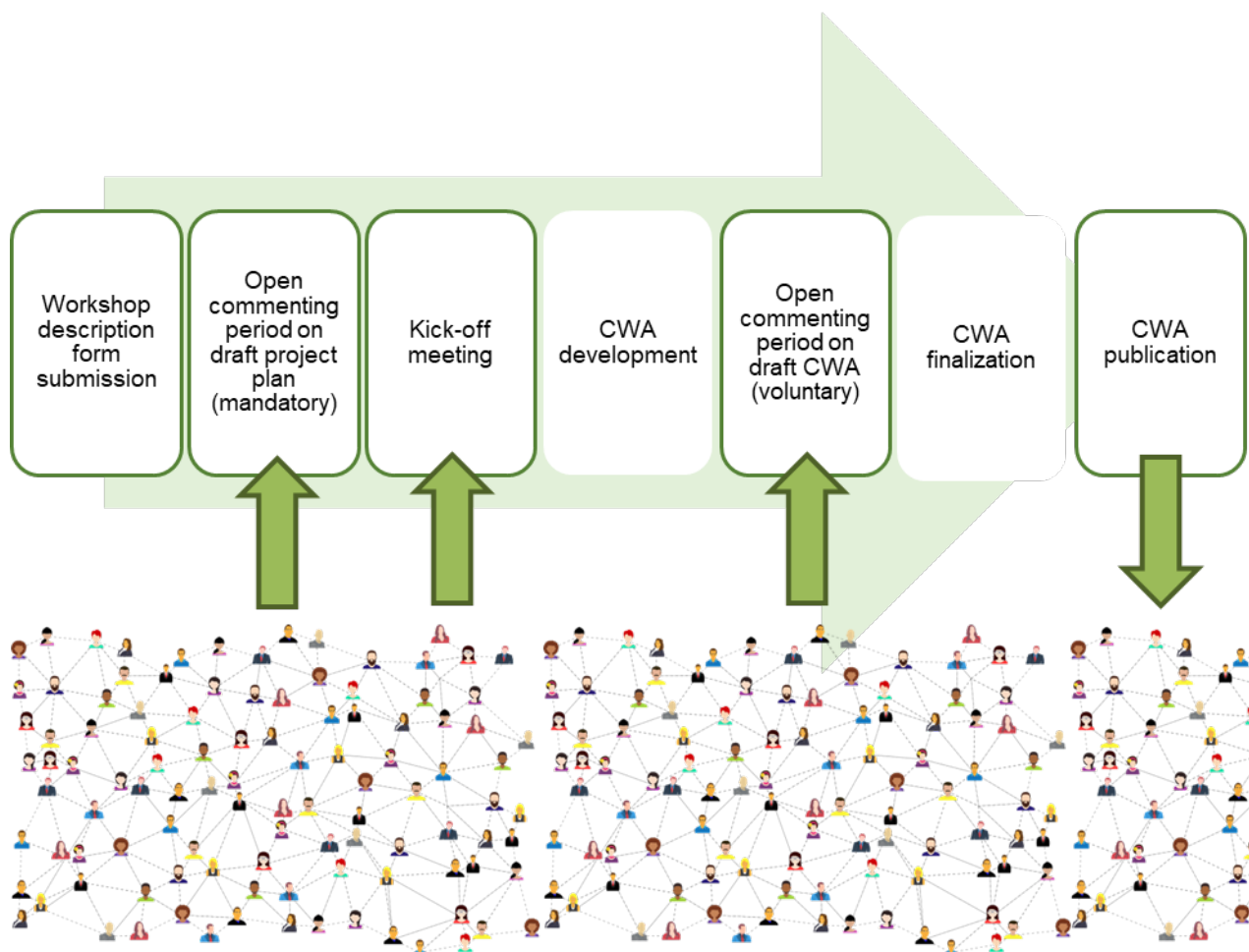
6.3 Decision making process

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.

Decisions shall be taken based on consensus of the WS participants.

7 Dissemination and participation strategy

Potential participants identified in section 2.2 and potential interested stakeholders identified in Part A should be informed of the open commenting phase, if any, and of the publication of the CWA.



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

- sector specific newsletter
- social media, such as
 - Facebook
 - Instagram
 - LinkedIn
 - X
- Research Gate
- EC Newsroom
- Others