# RESEARCH AND STANDARDISATION

# RESPONSE FORM for Standardisation groups To contribute to *EMPIR - the European Metrology Programme for Innovation and Research* *

## Objective: to collect standardization needs and suggestions to develop research projects in testing and measurements for the upcoming EMPIR calls (2019 and 2020)

In the frame of the between CEN, CENELEC and EURAMET, CEN and CENELEC have been invited by the EURAMET Management to put forward their **testing and measurement needs in research** for consideration by metrology institutes for future calls under EMPIR.

**Relevant technical groups** (sector fora, advisory boards, coordination groups, TCs, WGs...) **are invited to contribute with**

- a short introduction or an overview paper of their unaddressed standardization needs for testing and measurement, and
- a contact person (secretary, chair, convenor, liaison officer, etc.) whom proposers for the Potential Research Topics can contact,

**by using this Response Form and send it at :**

**STAIR EMPIR secretariat, Mr Ortwin Costenoble: empir@nen.nl**

Deadline for the consultation: **14 December 2018**.
*Proof of need by the TC/SC is highly recommended for a successful submission*.

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| **Source of the identified need** (identification of TC, WG, etc, incl. title) | ☒ CEN/TC309WG2. Footwear and environmental aspects.<br>☐ CLC/TC 0/WG 0<br>☐ ISO/TC /SC 0 / WG 0<br>☐ IEC/TC 0/SC 0 / WG 0<br>☐ Other, namely *Identification, Title* |
| **European entity** responsible for submission of the need | *CEN/CLC TC #, or National Standardization Organization*<br>*CEN/TC309*<br>*Title F*ootwear |
| **Person that can be contacted for more detail** | *First name and family name: Maria José Ferreira*<br>*E-mail: MJose.Ferreira@ctcp.pt*<br>*Telephone: +351 256 830 967*<br>*Country: Portugal* |
| **Unaddressed need** (short description) | **Determination of aerobic disintegration and biodegradation of footwear and footwear materials under controlled composting conditions.**<br><br>Today footwear and allied trade industries are engaged in pursuing circular economic models and searching for new materials and product concepts.<br>Deploying solutions that may disintegrate or biodegrade under usual composting conditions is indicated as appealing |

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| | to the consumers.<br>There are standards that may be applied to plastics to evaluate biodegradability under controlled composting conditions (e.g. ISO 14855). However, the European footwear incorporates a huge range of materials including leather, textiles, composites, multi-layer materials, absorbing materials, among others.<br><br>The experimental tests undertaken following the available standard, by the proponent and other TC colleagues, indicate the existing method to evaluate biodegradability under controlled composting conditions is not adequate for these range of materials due to its chemical composition namely pH, metal content, among other.<br><br>The development of the needed test requires at TC level the engagement of the several technical centres and end users in conceiving the necessary tools and test protocols. |
| **Further explanation of need** (TC business plan, road map, formal decision, work item, etc.) | *Further explanation on the need, why it shall be filled and why specifically related to standard. Estimated time frame that need shall be fulfilled*<br><br>Formal decision during the last plenary meeting.<br>*No estimated time frame* |
| **Enclosures** | ☐ Yes<br>☒ No |

*See **more information at** **EMPIR website**
**CEN/CENELEC website** "Standards and metrology"