

RESEARCH AND STANDARDISATION

RESPONSE FORM for Standardisation groups

Opportunity for standardisation to contribute to the *European Partnership on Metrology EPM* under Horizon Europe

Objective: to collect standardization needs and suggestions to develop research projects in testing and measurements for the upcoming European Partnership on Metrology (EPM) calls in 2021

In the frame of the cooperation agreement 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 EPM.

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, Mr Ortwin Costenoble: empir@nen.nl

Deadline for the consultation: **11 December 2020**.

Source of the identified need (identification of TC, WG, etc, incl. title)	<input checked="" type="checkbox"/> CEN/TC 114/WG / <input type="checkbox"/> CLC/TC 0/WG 0 <input type="checkbox"/> ISO/TC 199/SC / WG 12 / <input type="checkbox"/> IEC/TC 0/SC 0 / WG 0 <input type="checkbox"/> Other, namely ,
European entity responsible for submission of the need	<i>CEN/CLC TC114 (standardisation work is mainly done within ISO/TC199 - Safety of Machinery)</i>
Person that can be contacted for more detail	<i>Otto Goernemann Otto-Goernemann@sick.de +49 172 6545935 Adress</i>
Title:	<i>Mechanical data (P, F, etc.)for physical contacts between moving machinery or its parts with persons</i>
Unaddressed need	<i>Urgently needed for determination of limit values for safe contacts (Robotics, AGV's, MMI and machinery in general)</i>
Further explanation of need (TC business plan, road map, formal decision, work item, etc.)	<i>Standardized measurement method (s) is/are required. The initial TC Project (ISO FDIS 21260) failed due to the lack of uniform measuring method (s) and scientific data. Resolution of the methodology issue will allow worldwide research and data collection as basis for machinery safety standard (s) adresssing safe mechanical interaction between machines and humans. (e.g. service robots, personal care robots, nursing robots, etc. etc. see Horizon 2020) In the next 3 years. The lack of a standardized methodology and their resulting values is seriously hampering technical development due to safety concerns.</i>

Proof of need by the TC/SC	<i>ISO/TC199 Resolution 233 (Tokyo 8, 2014-04-09), Resolution 242 (Mainz 2, 2015-10-29), ISO/TC199-N1288 "ISO/NP 21260 -- CIB results on NWIP and comments submitted". ISO/TC 199/WG 12 N 117 "Updated Draft ISO DIS 21260</i>
Enclosures	<input type="checkbox"/> Yes <input type="checkbox"/> No

*See more information or a link to the webinar at

[EMPIR website](#)

[CEN/CENELEC website "Standards and metrology"](#)