# Questionnaire on the implementation of the revised SI

On 20 May 2019 the International System of Units, the SI, underwent a significant revision. The definition of the SI is now consistently established in terms of a set of seven defining constants. The complete set of units can be derived from the fixed numerical values of these defining constants. With the revision, the definitions of four of the seven base units of the SI, the kilogram, the ampere, the kelvin and the mole, were based on new physical concepts.

The CCU now wishes to gather feedback from National Metrology Institutes, liaison organizations and academic institutions on the way the revision was introduced, on the communication strategy, on the implementation as well as on experiences with innovations triggered by the revised SI. The outcome of this survey will be considered in planning the future communication strategy implemented by the BIPM, in defining new directions that potentially should be followed by the Metre Convention and the BIPM, as well as for the redefinition of the second.

This questionnaire consists of three parts. Part A is dedicated to National Metrology Institutes, Part B to liaison organizations of the CCU and Part C to academic institutions.

# A. Questions for National Metrology Institutes

A1. Did you experience any difficulties in implementing the revised SI in your institute? If yes, please describe.

A2. How did you implement the revised SI within the national legal metrology framework in your country?

A3. Did you use this event to promote metrology and the SI in your country? If yes, how?

A4. Did you find all the information required to implement the revised SI? Has the information campaign organized by the BIPM and the CIPM been effective? If not, what was missing and what should be provided in the future?

A5. Was the information provided sufficiently in advance of the implementation date?

A6. Were any of your customers affected by the changes? If yes, how did you inform them and how did they react?

A7. Did you receive any questions or comments from customers?

A8. Did the revision of the SI influence the future realization and dissemination strategy at your institute? If yes, which new directions and means have been implemented?

A9. Do you see new possibilities for innovative approaches and technologies to be implemented based on the revised SI? If yes, what are those?

A10. Are you aware of any activities in industry to develop innovative measurement instruments based on the revised SI? If yes, which ones and will they “shorten” the traceability chain?

A11. Do you have any other comments?

# B. Questions for liaison organizations of the CCU

B1. Was the work of your organization impacted by the revision, and if yes, in which way?

B2. Did you find all the information required to implement the revised SI? Has the information campaign organized by the BIPM and the CIPM been effective? If not, what was missing and what should be provided in the future?

B3. Was the information provided sufficiently in advance of the implementation date?

B4. Do you consider that your organization was sufficiently consulted in the process towards the revision?

B5. Did you receive any questions or comments from your member organizations?

B6. Would you need additional information on the revised SI? If yes, which one?

B7. Do you have any other comments?

# C. Questions for academic institutions

C1. Did the revision of the SI have any impact on your curriculum?

C2. Did you find all the information required to understand the revised SI? Has the information campaign organized by the BIPM and the CIPM been effective? If not, what was missing and what should be provided in the future?

C3. Did you experience any difficulties in teaching the principles of the revised SI?

C4. Did you receive any questions or comments from students?

C5. Would you need other, more ore better teaching material? If yes, what should be provided?

C6. Do you have any other comments?