

## Synopsis of the actions and decisions arising from the 11th meeting of the CCAUV

20-22 September 2017

The Consultative Committee of Acoustics, Ultrasound and Vibration (CCAUV) met from 20 to 22 September 2017 at the BIPM. The meeting started with the workshop “Measurements on imperceptible matters” where eight oral presentations about the state of the art of measurement capabilities and metrological needs in the AUV field were given. The presentations covered a number of applications in a broad frequency range for airborne sound, acceleration, underwater acoustics, and ultrasound. During the regular meeting, the work undertaken by the CCAUV Working Groups was reported, activities carried out in the RMOs and the NMIs were communicated and particular questions concerning present and future planned key comparisons were discussed.

An updated CCAUV Strategy document was presented; the CCAUV positions regarding the CIPM MRA review, redefinition of the SI units and the SI Brochure were discussed and formulated.

The actions and decisions arising from the 11th meeting of the CCAUV 2017 are summarized below.

### Decisions of the 11th meeting of CCAUV

- CCAUV11/D1. The CCAUV approved publication of the Strategy Document on the website shortly after the meeting.
- CCAUV11/D2. LNE (France) will pilot the key comparison CCAUV.A-K6 on calibration of LS2p microphones in the frequency range from 20 Hz to 25 kHz with an option to make calibrations down to 2 Hz.
- CCAUV11/D3. DFM (Denmark) will pilot the key comparison CCAUV.A-K7 on free – field calibration LS2p microphones in the frequency range from 1 kHz to 40 kHz, which will start in 2020.
- CCAUV11/D4. The CCAUV confirmed the current membership of the committee.
- CCAUV11/D5. The next meeting of the CCAUV and its Working Groups will be scheduled for September 2019.

### Actions of the 11th meeting of CCAUV

- CCAUV11/A1. An **ad hoc group** composed of RMO TC Chairs will discuss and make a decision on the way units used in the AUV field are presented on the KCDB and will provide feedback to the BIPM KCDB office by the end of October 2017.
- CCAUV11/A2. **CCAUV President, Dr Usuda**, to present the CCAUV positions regarding the CIPM MRA review and redefinition of the SI units to the CIPM.

- CCAUV11/A3. **CCAUV President, Dr Usuda**, to present the CCAUV position regarding the SI Brochure to the CIPM.
- CCAUV11/A4. **CCAUV RMOWG** to finalize the work on service categories and **CCAUV President, Dr Usuda**, to consult with relevant CCM WGs about services in dynamic force and pressure.