

Acoustic Ultrasound and Vibration

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Mechanics and Acoustic Department

Tasks:

- Maintenance and development of national standards of sound pressure and vibration quantities and ensuring their traceability to the national standards in other countries through participation in key comparisons;
- Ensuring measurement traceability in the field of acoustics and mechanical vibration and shocks;
- Conducting research and development works in the field of acoustics and mechanical vibration and cooperation in this field with domestic and foreign institutions;
- Calibration, testing and expertise of measuring instruments used for acoustic measurements as well as vibrations and mechanical shocks;
- Participation in standardization work, national and international, on the development of standards for instruments for acoustic and mechanical vibrations measurements;
- Development of metrological infrastructure and competence of staff in the field of medical ultrasound;
- Development of metrological infrastructure in the field of under - water acoustics.

Services:

- Primary and secondary calibration of measurement microphones;
- Primary and secondary calibration of vibration transducers;
- Calibration, testing and expertise of measuring instruments used for acoustic measurements as well as vibrations and mechanical shocks;
- Type approval of sound level meters;
- Organization of national interlaboratory comparisons.

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