

Names of Technical Means in the State Measurement System's Documents

V.G. Kutuyaykin¹, Nizhny Novgorod Branch of FSAEI FVT Academy for Standardization, Metrology and Certification (Training), Assoc. Prof. Dr., asms-nn@mail.ru

¹ Director, Nizhny Novgorod, Russia

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I have conducted a comparative analysis of the terms of technical means for measurements, tests and control in the documents of the state system for ensuring the uniformity of measurements. Since these documents were developed at different times, their terminology differs significantly, so their comparison was of significant interest. In addition, in the given article I have considered the Strategy for ensuring the uniformity of measurements in the Russian Federation until 2025, GOST R 51672, standards created on the basis of international standards, as well as a comparison of the introduced GOST ISO / IEC 17025–2019 with the expired GOST ISO / IEC 17025–2009. As a result of the analysis, it turned out that the changes in terminology adopted in GOST ISO / IEC 17025–2019 are more consistent with the practice of metrological support established in our country.

References

1. GOST R 8.820–2013 State system for ensuring the uniformity of measurements (GSI). Metrological assurance. Fundamentals.
2. Kutuyaykin V.G. Tekhnicheskie sredstva dlya izmereniy, ispytaniy i kontrolya: terminologiya [Technical means for Measurement, Testing and Control. Terminology], *Kompetentnost' / Competency (Russia)*, 2019, no. 7, pp. 34–39.
3. Kutuyaykin V.G. Metrologicheskoe obespechenie tekhnicheskikh sredstv dlya izmereniy, ispytaniy, kontrolya [Metrological Provision of Technical Means for Measurement, Testing and Control], *Kompetentnost'*, 2017, no. 6, pp. 50–55.
4. Kutuyaykin V.G., Gorbachev P.A. Tekhnicheskie sredstva dlya izmereniy, ispytaniy i kontrolya [Equipment for Measurement, Testing and Control], Nizhny Novgorod, R.E. Alekseev Nizhny Novgorod State Technical University, 2018, 61 P. ISBN 978–5–502–01009–2.
5. GOST R 8.000–2015 GSI. Basic principles.
6. GOST R 8.563–2009 GSI. Procedures of measurements.
7. GOST R 8.596–2002 GSI. Metrological assurance of measurement systems. Fundamentals.
8. GOST R 8.731–2010 GSI. Tolerance control systems. Main principles.
9. GOST R 8.892–2015 GSI. Assessment of state at industrial plants, organizations and corporations.
10. Strategy for ensuring the uniformity of measurements in the Russian Federation until 2025 (app. by the RF Government Order from 19.04.2017 N 737-r).
11. GOST R 51672–2000 Metrological support of product testing for conformity assessment purposes. Fundamentals.
12. GOST R ICO 10012–2008 Organization management. Measurement management systems. Requirements for measurement processes and measuring equipment.
13. GOST R 51814.5–2005 Quality management systems in the automotive industry. Analysis of measurement and control processes.
14. GOST ISO/IEC 17025–2019 General requirements for the competence of testing and calibration laboratories.
15. GOST ISO/IEC 17025–2009 General requirements for the competence of testing and calibration laboratories (canceled).
16. RF Federal Law of 26.06.2008 N 102-FZ On ensuring the uniformity of measurements.
17. MI 2233–2000 National Measurement Standards. Assurance of Effectiveness of Measurements in Industrial Process Management. Basic Principles.
18. GOST R 8.568–2017 GSI. Certification of test equipment. Fundamentals.
19. Kutuyaykin V.G., Savrovskiy K.K. Pravovaya i normativnaya baza attestatsii ispytatel'nogo oborudovaniya [Legal and Regulatory Base of Certification of the Test Equipment], *Kompetentnost'*, 2015, no. 9–10, pp. 38–42.
20. RMG 29–2013 GSI. Metrology. Basic terms and definitions.

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