New trends in training and evaluation of personnel in the sphere of technical regulation in the Russian Federation.

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International Scientific-educational Center of Technical Regulation, Standardization and Metrology
under Institute of State and Municipal Management
of National Research University Higher School of Economics
Goal:
Formation of competent personnel in the field of technical regulations including conformity assessment bodies

To achieve the objective it is needed to use all existing mechanisms:
• Training of personnel
• Putting the requirements in documents on standardization
• Assessment of professional qualifications
• Certification of personnel of certification bodies
EDUCATION IN THE SPHERE OF TECHNICAL REGULATION

INSTITUTE OF STATE AND MUNICIPAL MANAGEMENT

INTERNATIONAL SCIENTIFIC-EDUCATIONAL CENTER OF TECHNICAL REGULATION, STANDARDIZATION AND METROLOGY

✓ TECHNICAL REGULATION
✓ STANDADIZATION
✓ METROLOGY
✓ CONFORMITY ASSESSMENT
✓ ACCREDITATION
✓ TESTING OF PRODUCTS
✓ STATE SUPERVISION
✓ MANAGEMENT SYSTEMS
<table>
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<th>Category</th>
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<tr>
<td>Managers and specialists of enterprises-manufacturers and suppliers</td>
<td>Experts in the field of energy management</td>
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<td>Foreign specialists</td>
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<td>DEVELOPERS OF TECHNICAL REGULATIONS</td>
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<tr>
<td>MANAGERS AND SPECIALISTS OF CERTIFICATION BODIES</td>
<td>Employees of metrological services of enterprises and organizations</td>
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<td>MANAGERS AND SPECIALISTS OF TESTING LABORATORIES</td>
<td>Specialists in national and Interstate standardization</td>
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<td>MANAGERS AND SPECIALISTS OF INSPECTION BODIES</td>
<td>The employees of the research institutions involved in the field of technical regulation</td>
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<td>MANAGERS AND SPECIALISTS OF STATE SUPERVISORY AUTHORITIES</td>
<td>Specialists on maintenance of unity of measurements</td>
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<td>SPECIALISTS OF ORGANIZATIONS PROVIDERS ISI</td>
<td>Teachers at higher and specialized secondary educational bodies, institutions of additional professional education for the professions in the field of technical regulation</td>
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<td>MANAGERS AND SPECIALISTS OF NATIONAL ACCREDITATION BODIES, EXPERTS OF ORGANIZATIONS ON ACCREDITATION</td>
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Targets of the center

**Educational activity:**

- Creation and development of common educational programs of training specialists in the sphere of technical regulation, standardization and metrology
- Training and advanced training of specialists in the sphere of technical regulation, standardization and metrology, including at the international and regional levels
LEADING RUSSIAN EXPERTS

Galina Pankina
Doctor of technical sciences

Iosif Aronov
Doctor of technical sciences

Olga Kostyleva
Ph.D

Jury Gusakov
Professor

Sergey Pugachev
Ph.D

Lubov Bondar
Ph.D

Ivan Boldyrev
Ph.D

Irina Grigorieva
Ph.D
Accredited body for personnel certification (GOST R ISOP/IEC 17024-2011) under Association for technical regulation (ASS TR).

Accredited body for personnel certification under ASS TR is accredited by International Personnel Certification Association (IPC).
Education. Needs for professionals in the field of technical regulation

- Business
- Federal Government Bodies
- Non-professional organizations
- Science institutions
- Universities
- Mass media
Education. Additional professional education in the field of technical regulation.

Additional professional education (EPE)

- **Refreshing trainings**
  - new professional competence
  - Certificate of refreshing trainings

- **Professional retraining**
  - new competence, new skills
  - Diploma of professional retraining and new qualification

- **Short courses** (less than 15 hours)
  - Result

IMPLEMENTATION OF THE PRINCIPLE OF THE PROGRESSIVE IMPROVEMENTS IN THE EDUCATION SYSTEM
Education. Directions of trainings in the sphere of technical regulation

- Technical regulation
- Standardization
- Metrological assurance of production
- Attestation of conformity
- Testing
- Supervision over compliance with the requirements of technical regulations
- Accreditation of certification bodies and testing laboratories
- Management: risks, quality, ecology, safety, energy efficiency, information security, etc.
Possible cooperation with the WP 6 UNECE:

1. Involvement of experts in the “Initiative on Education in standardization and related issues“ (START-ed) of WP 6 UNECE to implement training programs.

2. Creation and approbation within the Institute new and existing modular programs on education developed by WP 6 UNECE.

3. Exchange of experiences on the implementation of training programs in the field of standardization, recommended for inclusion in university training programs.

4. Publishing the information about the Institute in the WP 6 UNECE website
THANK YOUR FOR ATTENTION

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