

# Training and evaluation of staff in the field of technical regulation. Achieving sustainable development goals.

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## Goals and aims of the system for staff assessment in the field of technical regulation

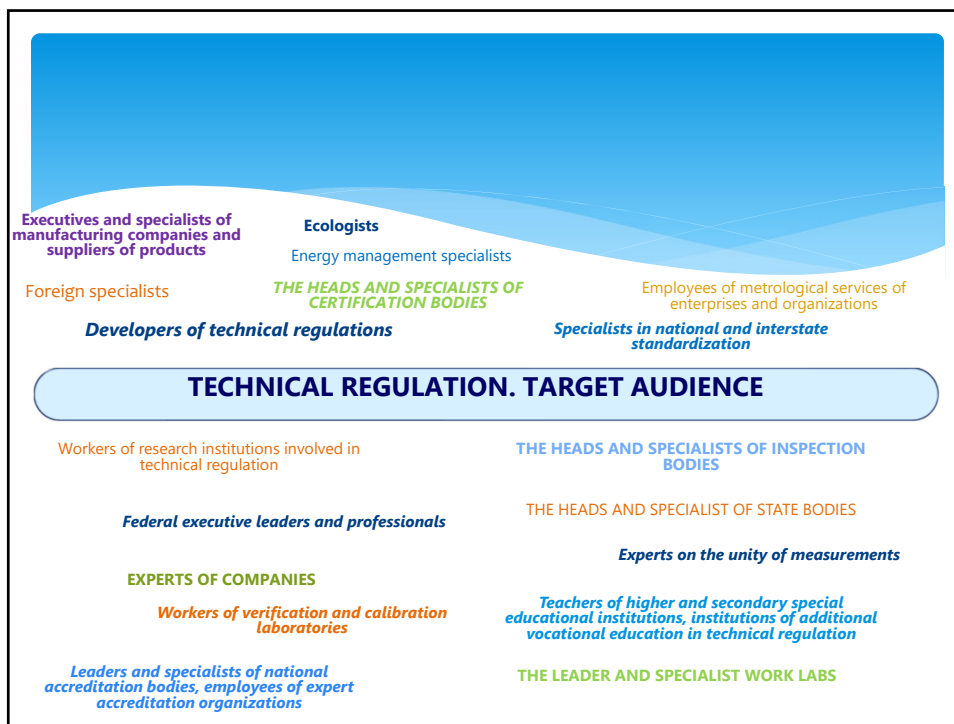
**\* The goal is:**

to develop competent technical regulatory personnel,  
including compliance assessment bodies.

**To achieve the goal is necessary:**

Use all the mechanisms in place:

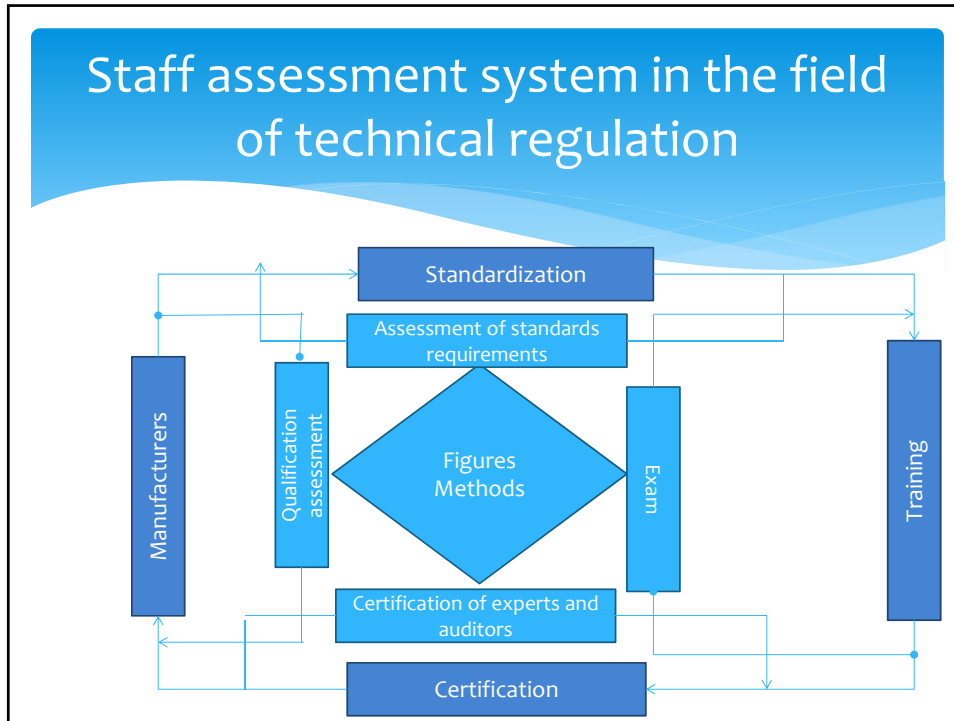
- Education (training) of staff
- Setting requirements in standardization documents
- Assessment of professional qualifications
- Certification of staff of the certification bodies



## Technical regulation:

- \* **Technical regulation** is legal regulation of relationships in the field of establishing, applying and enforcing mandatory requirements for products or products and product requirements for design processes (including research), construction, installation, operation, storage, transportation, implementation and disposal, as well as in the field of voluntary application of product requirements and design processes.

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## Sustainable Development Goals and Standardization

- \* In 2015, the UN set an ambitious 15-year plan to address some of the most pressing issues faced by the world
- \* Economic, environmental and societal dimensions of the sustainable development are all directly addressed by ISO standards.
- \* Organizations and companies looking to contribute to the SDGs find that International Standards provide effective tools to help them rise to the challenge.

**SUSTAINABLE DEVELOPMENT GOALS**

## ISO standards

- \* **ISO standards** support the three pillars of sustainable development:
  - \* **Economic** – by facilitating international trade, improving a country's national quality infrastructure, supporting sustainable business practices.
  - \* **Social** – by helping countries and communities to improve the health and well-being of their citizens, covering all aspects of social welfare, from healthcare systems and related products to social inclusion and accessibility.
  - \* **Environmental** – by helping businesses and countries manage their environmental impact, covering environmental management systems, measuring and reducing greenhouse gas emissions and energy consumption, and encouraging responsible consumption.

## Sustainable Development Goals

- \* The achievement of **key SDGs** such as:
    - \* clean water and sanitation (SDG 6)
    - \* Education (SDG 4)
    - \* affordable and clean energy (SDG 7)
    - \* decent work and economic growth (SDG 8)
    - \* industry, innovation and infrastructure (SDG 9)
    - \* sustainable cities and communities (SDG 11)
    - \* responsible consumption and production (SDG 12)
- Demands clear and wise standards and staff assessing compliance.



## Education in the field of technical regulation and sustainable development education

- \* **In Russia**, education for sustainable development has become an important component of various curricula – from technical to humanitarian, from medical to political.
- \* **At Higher School** sustainable development related courses are offered to all students and mid-career people looking for the enhancement of their professional skills.
- \* **Education** in the field of technical regulation is not an exclusion: sustainable development related issues are discussed in all training courses devoted to the majority of standards, both national and international.

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## Plan- Do –Check – Act Cycle

### Plan:

- \* Establish objectives and draft your plans (analyse your organization's current systems, establish overall objectives, set interim targets for review and develop plans to achieve them).

### Do

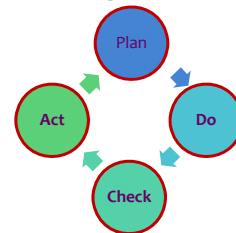
- \* Implement your plans

### Check

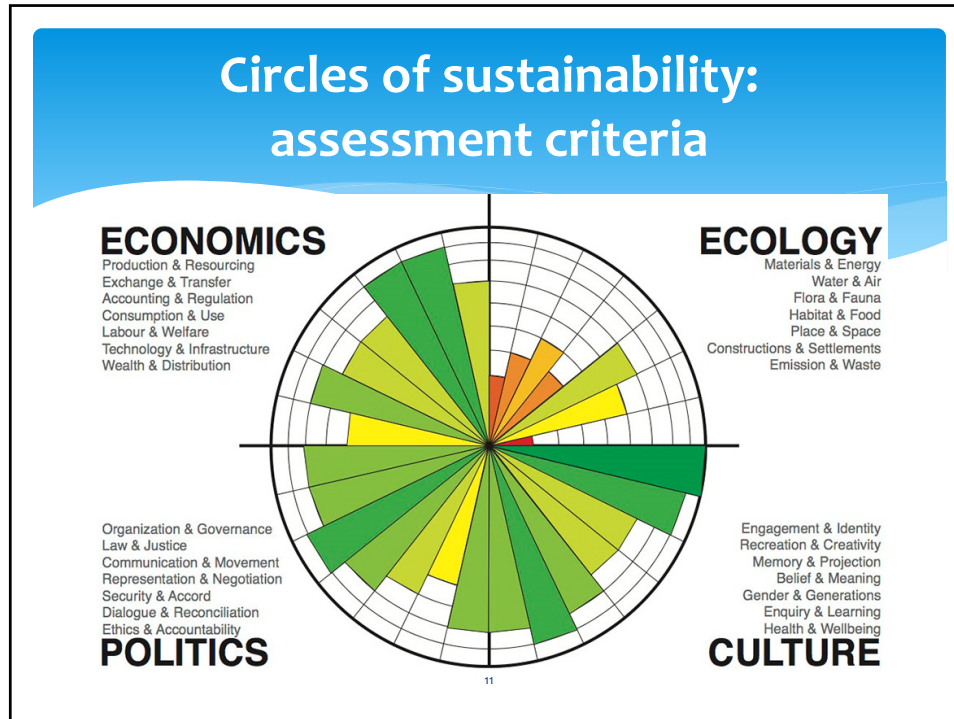
- \* Measure and monitor your actual results
- \* against your planned objectives

### Act

- \* Correct and improve your plans to meet and exceed your planned results



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## Conclusions

- \* Standards have been in the focus for training various audiences since the 1990s.
- \* Since 2015 technical regulation is a core element of the education for sustainable development.
- \* At High schools training courses for technical regulation are offered to various audiences – from Bachelor level students to the trainees looking for the professional upgrading programs.
- \* Training materials are produced and continually improved to introduce practical examples and to cover new standards and approaches in conformity assessment.

**Thank you!**

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