Conclusions/Decisions of the Interregional Conference

“Training and education in the field of technical regulations”

(17 April 2014, city of Ekaterinburg, Russia)

Interregional conference “Training and education in the field of technical regulations” was held on April 17, 2014, in the Ural Federal University (named in honor of the first Russian President B. Eltsin) in Yekaterinburg.

In preparations for the conference the Ural Federal University conducted a survey of enterprises in order to identify the need for specialists in the field of technical regulation.

Were received and processed more than 170 questionnaires. Among the respondents 46% were industrial enterprises, 28% - public institutions and 12% - service organizations. The majority of respondents (86%) noted that at present there are some difficulties to find specialists on technical regulation.

Based on the results of the research of the various activities of the specialists in technical regulations, approximately an equal ratio were received of a demand for specialists in metrology, standardization and conformity assessment – an average of about 27% per each mentioned sector. The demand for specialists in the development of technical regulations was estimated at 18%.

The question of organization and training of specialists in technical regulations is difficult and complex and needs the consolidation of efforts of all stakeholders. In this respect the Ural Federal University can become the system integrator in organization of network cooperation in the process of trainings of specialists on technical regulations.

More than 200 specialists were participants of the conference. The reports were made on areas relating to technical regulations, accreditation, market surveillance and trainings of specialists in technical regulations.

During the conference’s debate it was noted that training of specialists in technical regulations is an actual task, which corresponds to the modern realities of economic development both within countries members of the Customs Union and of the Eurasian Economic space.

At the same time it was noted that High School being the main supplier of intellectual resource for the implementation of technical regulation reform and for providing the fast economic rise of the country, does not fully meet the needs of enterprises and companies in experts on technical regulation.
The participants of the conference got acquainted with the experience of Belorussian National Technical University, which has a program on training of specialists on standardization and quality management of quality and which twice took the second place in the competition among high schools organized by International Standardization Organization.

The initiative of the Ural Federal University on creation of resource-educational center on training of specialist in technical regulations for Custom Union countries was noted and approved.

Besides, the question of a necessity of introducing a special course on technical regulation for students of technical specializations and specializations in food production was discussed.

During the discussion the participants approved the following decisions:

1. Recommend to the Ministry of Education and Science of the Russian Federation together with the Ministry of Industry and Trade of Russian Federation:

   1.1 To introduce a fundamental course of technical regulation (1-2 credit units) into Federal Governmental Educational Standards (FGES) of bachelor’s degrees in technical and economic areas.
   1.2 Before the technical regulations course will be introduced, recommend universities to introduce this discipline in a variative part of educational plans (as a mandatory course or an optional course).
   1.3 To consider the training areas “Standardization and metrology” and “Quality management” as priority.
   1.4 To promote the creation and development of material-technical base for trainings of specialists in the sphere of technical regulations by using opportunities of enterprises, branches of “Rosstandard” and of Universities – partners of the project on the creation of resource-educational center of training of specialists on technical regulations for Custom Union countries.
   1.5 To conduct the methodical meeting with the universities and heads of the chairs, in which programs of professional trainings are implemented in the following areas (educational specializations): 27.03.01 “Standardization and metrology”, 27.03.04 “Quality management”, 27.03.03 “System analysis and management”, 27.03.04 “Management in technical systems”, 27.03.05 “Innovations” with purpose of defining the
most effective models on specialists training in the sphere of technical regulations and of mechanisms of cooperation in this process.

1.6 To inform the Higher schools management in which bachelor programs of technical issues are implemented, about the expediency of:

1) Introducing the parts on history of technical regulations and standardization in Russia and abroad in the program “History of science and technics”.
2) Developing appropriate courses and teaching materials.
3) Studying the modern terminology in the sphere of technical regulation, standardization and of conformity assessment in “Foreign language” discipline and of developing relevant tutorials.

2. To request the Euroasian Economical Commission:

2.1 To support the initiative of the Ural Federal University on creation on its base the resource – educational center.

2.2. To inform High Schools (universities) of Custom Union countries about initiative of the Ural Federal University on creation on its base the resource – educational center for trainings of specialists in technical regulations for Custom Union countries.

3. To recommend the Russian Union of Industrialists and Enterprises (RSPP):

3.1 To initiate the creation of professional standards for specialists in technical regulations.

3.2. To assist in informing enterprises, High Schools, specialists on technical regulations and other stakeholders about the opportunities of the Ural Federal University as educational center in sphere of technical regulations.

3.3. To continue to organize inter-regional and interstate conferences on training in the field of technical regulation.

4. To recommend UrFU (Ural Federal University):

4.1. To undertake a function as an organizer and as a center of methodological developing of professional standards in the field of technical regulations, metrology and quality management, with participation of profile enterprises and organizations and with RSPP
Support; to develop practical bachelor and master programmes in these areas.

4.2. In the framework of introducing Federal Governmental Educational Standards (FGES) to develop before 1 September 2014 an educational bachelor program of the profile “Technical Regulation” and in the next 2 years a relevant master’s degree program.

4.3. To widen the sphere of applying the internet education and using electronic educational resources as one of the means of improving the quality and availability of education on technical regulations.

4.4. With the purpose of raising the efficiency of creation and the usage of the electronic educational resources create the portal in the field of technical regulations.

4.5. As an experiment develop the mass open on-line courses on standardization and metrology as the way to form the basic skills of students and of staff of enterprises (program of additional professional education for trainings and re-trainings of specialists in the field of technical regulations).

4.6. To consider the possibility of a free subscription of interested organizations and individuals on the actual e-newsletter information on technical regulation and on education field.

5. To recommend to the Federal Service of Supervision of Consumer Protection and Human Welfare to consider the question of developing proposals for the inclusion into the training methodological complex for undergraduate and postgraduate training of specialists, aimed at raising the level of awareness and qualification in the field of technical regulations based on the methodology of an assessment and management of public health risks associated with the products for which the technical requirements are defined.