

Competency

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5 Specialists Training in the Field of Technical Regulation and Standardization. ASMS Experience.

Prof. Dr. G.V. Pankina, Rector, Federal State Autonomous Educational Institution for Further Professional Education, Academy for Standardization, Metrology and Certification (Educational) (ASMS), Moscow

Necessity of continuous knowledge actualization, re-examination in the educational field and specialist training in ASMS is on consideration

Key words: specialist training, further professional education, educational courses, technical regulation, metrology, quality management, educational programs

9 Standardization Issues in Education Programs.

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The article discusses the necessity to include standardisation issues into educational curricula of higher school establishments and considers experience of vocational education (professional upgrading) institutions in the field of training specialists in standardisation, metrology and certification. A model programme and recommendations of UNECE WG on promoting standardisation education are analysed

Key words: curricula, model programme, standardisation, metrology, certification, higher school establishment, vocational education (professional upgrading) institution

14 Students' Scientific Researches as a Factor of Education Quality Improvement.

Dr. Yu.Yu. Komarov, Professor, MAI, Academician, Academy for Quality Problems, Moscow

Students' scientific researches while educational process, tasks and activities at different stages of learning, the role of such researches in the quality of specialist training are on consideration

Key words: educational process, specialist training, research, students' scientific research, individual training

18 Certification and Registration Systems for ICT Professionals.

Prof. Dr. V.N. Azarov, Deputy Director for Science, Moscow State Institute of Electronics and Mathematics, Research and Development University, High School of Economics, President of Department, High School, Academy for Quality Problems, Moscow

The work deals with the construction and operation of an independent assessment of qualifications and certification of ICT professionals

Key words: university, two-level system of training, bachelor, magister, skill level, certification system of experts, ICT

21 State Admeasurements from High Technology Products Sales Income.

Prof. Dr. A.V. Leonov, Leading Research Worker, State-owned Federal State Institution, 46 Central Research and Development Institute, RF Ministry of Defense, Moscow, V.V. Trushenkov, Deputy Head of Department, State-owned Federal State Institution, 46 Central Research and Development Institute, RF Ministry of Defense, Moscow

Methodological approach to determining the state's proportion of income from sales of high-tech products, created by financial borrowings from the federal budget is on consideration. This approach is based on the cost method of assessed value of intellectual property. The authors believe that it provides correct reflection of the intellectual contributions of all parties involved in products creation

Key words: results of intellectual activity, federal budget, right holders, structural functional process scheme

28 Quantitative Evaluation Application Problems of Organization Performance Result.

Dr. N.G. Nizovkina, Associate Professor, Novosibirsk State Technical University, Novosibirsk

The problem of quantitative justification of the decision by several indicators can not be solved without the participation of the leader, which should put all

performance indicators, except for one, in the category of the enterprise set conditions. Recommendations for the definition of these indicators are made

Key words: organization performance result, organization mathematical model, index of performance, profit, return on equity

31 Problematic Aspects of the Organization Technical Standards

Management. T.V. Sofronova, General Director, LLC, NormaInform, Cherepovets, Vologda region

Creation and management of a single scientific documentation fund of the modern enterprise, as well as the usage of information retrieval systems as a supporting tool in the technical documentation management is on consideration

Key words: legal and technical documents, regulatory and technical documents fund, document management, information, documentation updated

36 Reliability of Products Production Process.

Prof. Dr. B.V. Boitsov, Head of Department, Moscow Aviation Institute, First Vice-President, Academy for Quality Problems, Moscow, Dr. Yu.Yu. Komarov, Professor, MAI, Academician, Academy for Quality Problems, Moscow

Stability and controllability conditions of the complex products production process that affects the quality of manufactured products, as well as the need for accountability of the statistical process are on consideration

Key words: technological process, process control, process infusion, diffusion, selection, admission

40 To Energy Efficiency Through Energy Management.

Prof. Dr. N.N. Aniskina, Rector, FSEI FPE, Pastuhov State Academy of Industrial Management, Auditor, European Organization for Quality, Full Member, Academy for Quality Problems, Moscow

Detailed review of the new international standard ISO 50001:2011, energy management systems, requirements and application guide is on consideration. This new standard allows the company to solve the energy efficiency problem on a scheduled basis, using the whole arsenal of integrated management systems

Key words: energy efficiency, energy audit, energy control system, organization energy policy, energy profile

52 Job Evaluation Methods in Industrial Body.

K.V. Jivulin, Graduate, Financial and Technical Academy, Korolev

Various methods of organization job evaluation are analyzed in the article. Their comparative characteristic from the point of view of possibilities and conditions of its usage in modern practice of human resource management is given.

Key words: job evaluation, ranking, classification, categorization, grade, numerical score, factor scoring.

48 Quality Management System. Sustainable Development & Management Success.

Dr. V.M. Chistin, Senior Researcher, Associate Professor, ASMS, Leader, QMS Certification Body, LLC, Novosibirsk Center of Metrology, Standardization and Certification, Novosibirsk, V.V. Krapivko, Leading Specialist, QMS Certification Specialist, LLS, Novosibirsk Center of Metrology, Standardization and Certification, Novosibirsk

The principles of organization sustainable development, the ways to achieve sustainable success through effective and certified quality management system are discussed. Without the development of modern management methods and tools no company will be able to be competitive within the WTO framework

Key words: quality management system, modern management means and instruments, constant success, sustainable development management

51 About Metrological Installation Certification for the Determination of the Materials Deformation Amount.

Dr. A.N. Mahon, Associate Professor, Department for Standardization, Vitebsk State Technological University, Vitebsk, Republic of Belarus, K.S. Matveev, Director, Republican Innovation Unitary Enterprise, Hi-tech Park, Vitebsk State Technological University, Vitebsk, Republic of Belarus

Cyclic testing of textile and leather materials that imitate the process of shoes and clothing usage are used in the quantification of quality indicators of 'cyclic stability of shape' when selecting the material. The new method of metrological certification of equipment for measuring the amount of deformation of materials after cyclic loading is on consideration

Key words: anisotropic materials, cyclic stability of shape, axial permanent deformations, visual-optical method, measuring apparatus, measurement error