OMPETENTNOST'/ **COMPETENCY (Russia)**

Monthly scientific and practical journal

Published since 2000 (former name Kvalifikatsiya I Kachestvo) Registration certificate ΠИ № ΦС-77-75122 от 22.02.2019 The journal is included in the list of publications, recommended by Higher Attestation Commission (VAK)

Academy for Standardization, Metrology and Certification (ASMS) 109443, Moscow, Volgogradsky pros., 90, 1 Phone: +7 (499) 172 4730. Fax: +7 (499) 742 5241 E-mail: info@asms.ru. www.asms.ru

Alexander V. Zazhigalkin, FSAEI FVT ASMS

Michael I. Lomakin, Federal Center for Science and High Technologie, RF, Moscow Svetlana A. Kalintseva, FSAEI FVT ASMS, RF, Moscow

Moscow
Stanislav Bartusek, Technical University of Ostrava,
Czech Republic, Ostrava
Viktor Ya. Belobragin, LLC Advertising Informational
Agency Standards and Quality, RF, Moscow
Boris V. Boytsov, International Public Organization
Academy of Quality Problems, and Moscow Aviation
Institute (MAI), RF, Moscow
Codes V. Burkiria, All Decision Research Lectivity

Fedor V. Bulygin, All-Russian Research Institute of Metrological Service (VNIIMS), RF, Moscow Viktor A. Vasil'ev, MAI, RF, Moscow Vladimir V. Voronin, FSAEI FVT ASMS, RF, Moscow

Tatiana V. Guseva, FSAB Research Institute Environmental Industrial Policy Centre, RF, Moscow Ol'ga P. Dvoryaninova, Voronezh State University of Engineering Technologies, RF, Voronezh Alexander V. Dokukin, Federal Center for Science and High Technologie, RF, Moscow Nina I. Dunchenko, Russian State Agrarian

University — Moscow Timiryazev Agricultural Academy, RF, Moscow Lev K. Isaev, All-Russian Research Institute of Metrological Service (VNIIMS), RF, Moscow Leonid V. Kolomiets, Odessa State Academy

of Technical Regulation and Quality, Ukraina, Odessa Vladimir Yu. Korchak, N.E. Bauman MSTU, RF, Moscow

Aleksey V. Leonov, FSBI 46 Central Research Institute, RF, Moscow Alexandr V. Malkov, D. Mendeleev University of Chemical Technology of Russia, RF, Moscow Valeriy A. Novikov, FSAEI FVT ASMS, RF, Moscow Yuriy A. Pal'chun, Novosibirsk Branch FSAEI FVT ASMS, RF, Novosibirsk

Vladimir V. Pomazanov, Self-Regulatory Organization CenterReahim, and SEI HE MO State Humanitarian and Technological University, RF, Moscow Region

Anatoliy I. Solyanik, Russia Voronezh Branch FSAEI FVT ASMS, RF, Voronezh

I.S. Gridin, L.A. Kas'yanova, E.V. Kirienko, I.B. Kuskova Phone: +7 (499) 172 7717, 172 5757

A.B. Kostrikov

Original layout Individual Entrepreneur Shilenkova E.I. Phone: +7 (916) 324 0613

In the union catalog Russia Press: 87872 In the publishing department Phone: +7 (499) 172 7717. E-mail: komp@asms.ru Signed for printing 13.05.2024 Matte coated paper 84×108/16 Offset printing. Conv. pp. 4 5000 copies. Order number 1632024

Printing House LLC Polygraphic complex, 125315, Moscow, Chasovaya str., 28, bldg. 4, fl. 3, room 42V

Authors' ideas may not always coincide with the editorial stuff.
While using materials reference to the journal Kompetentnost' is required
Articles' reprinting is allowed only with the editorial stuffs'

permission

Editorial stuff is not responsible for the content
of the advertisements

Materials in the category Company are published
on the rights of advertising © Academy for Standardization, Metrology and Certification, 2024

Content

4/2024

TRAINING

A.V. Zazhigalkin A.I. Solvanik I.K. Andronchev M.G. Barinova Associative Model of the Engineering Activities Quality and the Results of its Use

METROLOGY

A.A. Lichko A.I. Gorchev I.A. Isaev Confirmation of Compliance with the Requirements for Measurement **Accuracy Indicators** in the Field of EUM

A.K. Zhumagali On the Modernization of State Gas **Humidity Standards** of the Republic of Kazakhstan

S.A. Mitrofanova GOST R 8.1024-2023 as a Framework for Metrological Examination of Technical Documentation

A.A. Versin Metrological Characteristics Confirming of the Air Flow Velocity Working Standard



PRODUCTION ORGANIZATION

🚺 L.A. Konopeľko K.K. Semenov S.A. Savchuk M.V. Okrepilov A.V. Gromov The Rhythm of Mass Standard Samples Production of the Gas Mixture Composition

NEWS

PRODUCTION ORGANIZATION

45 T.V. Malysheva G.F. Kiyametdinova Managing Resource Saving of Production Using a Catalog System

MICROECONOMICS

50 O.A. Marinina A.R. Nechitaylo G.A. Stroykov A.Yu. Tsvetkova E.A. Reshneva L.G. Turovskaya Economic Justification of Electrification of Hydrocarbon Production **Facilities**

MANAGEMENT

58 A.S. Tur Model for Assessing the Quality of a Technical System Based on Complex Indicators

62 M.A. Nazarenko Yu.V. Kruglova **Decision-Making** Method for Managing Inconsistencies in QMS

Reviewers:

Prof. Dr. T.V. Guseva, Research Institute Environmental Industrial Policy Center;

Prof. Dr. V.A. Vasil'ev, Russian State University of Aviation Technology (MAI);

Prof. Dr. N.I. Dunchenko, Russian State Agrarian University — Moscow Timiryazev Agricultural Academy; Prof. Dr. A.I. Solyanik, Voronezh ASMS Branch;

Prof. Dr. V.Ya. Belobragin, Academy for Quality Problems;

Prof. Dr. I.A. Makeeva, State Scientific Institution Research Institute for Dairy Industry;

Prof. Dr. A.V. Malkov, D.I. Mendeleev University of Chemical Technology of Russia;

Prof. Dr. V.Yu. Korchak, N.E. Bauman Moscow State Technical University;

Prof. Dr. A.V. Leonov, 46 Central Research Institute of RF Defense Ministry

Next issues

Optimization of University Processes: Advantages of the Functional and Cost Approach

Enterprise Energy Supply: Expert Decision-Making System

Trends in Production Systems Digitalization and Business Process Management