

Preface

Mongolian Agency for Standardization and Metrology is a Government regulatory agency responsible for coordinating and managing the MSTQ (metrology, standardization, testing and quality) sector throughout the country. MASM reports to the Minister of Industry and Trade.

Mission:

To contribute to the social and economic development of Mongolia through the development strategic tendency by applying standardization, quality and metrology.

Laws:

- Standardization and Conformity assessment, 2003
- Traceability of Measurement Uniformity, 1994
- Protection of Consumer rights, 1991

Brief history:

1924 – Weights and Measures Unit

1931 – Commission on Measuring instruments

1944 – Weights and Measures Division

1953 – Bureau of Price and Standards

1955 – Administration for Measures and Measuring Instruments

1958 – Administration for Standards, Measures and Measuring Instruments

1972 – State Committee of Quality, Standards and Measures

1975 – State committee of Price and Standards

1988 – State Department of Standards

1990 – National Research Institute of Standardization; General Department of Metrology Bodies

1992 – Mongolian National Center for Standardization and Metrology

2002 – Mongolian Agency for Standardization and Metrology

The highest decision making body is the National Council of Standardization and Metrology, approved by the Government. It consists of 14 members, who represent governmental and non-governmental organizations and is led by the MASM Chairman. We execute our activities in three departments, one office and with 100 employees. We implement our policy countrywide via the local centers for standardization and metrology in 21 aimags¹.

Main functions of MASM:

- Standardization
- Certification
- Establishment of national measurement standards
- Legal metrology
- Accreditation
- Training and consulting
- International cooperation

Financing:

- Self-financing
- Science and Technology Fund

¹ Aimag- district

National Council of Standardization confirms National standards (MNS) on the base of mutual consensus representing government, manufacturers, businessmen and consumers' interest.

There are 24 technical committees and 17 subcommittees in MASM. The MASM is: Participating (P) – member of 12 ISO/TCs and 23 ISO/TC/SCs and Observer (O) – member of 42 ISO/TCs and 16 ISO/TC/SCs.

Main activities:

- Management and coordination of the activities of national standardization technical committees
- Harmonization of the national standards with the international standards
- Coordination of implementation of WTO Technical Barriers to Trade Agreement
- Implementation and transfer of new and advanced technology through the international and regional standards

Figures / 2002:

There are 3770 Mongolian standards, 28% of these are harmonized with international standards.

Main objectives:

- To improve national economic capability and facilitate up-grading of quality of exports, compliance and competitiveness of domestic products
- To ensure occupational health and safety, environment protection and quality improvement
- To protect customers and promote trade on the basis of suppliers quality assurance and competence of product quality

Main activities:

Product or service quality certification:

- Certificate of conformity
- National conformity mark
- Quality certificate of product

Management system certification:

- Quality management system MNS ISO 9001:2001
- Environmental management system MNS ISO 14001:2001

Training on quality management and environmental management system:

- In accordance with training program at MASM
- In - house

Figures by 2002:

230 products (namely) of 36 companies has been granted conformity mark.

Main activities:

- Development of national measurement standards system
- Maintenance and improvement of accuracy of measurement standards
- Dissemination of national measurement units
- Development and registration of Certified Reference Materials
- Calibration of measurement standards and high accuracy measuring instruments
- Proficiency testing scheme

National measurement standards

The agency maintains the Mongolian national measurement standards for the SI units of mass, time and frequency, voltage, solid density, pressure, temperature, volume, AC and resistance.

Certified reference materials (CRM's) laboratory has certified and registered 35 CRMs.

Main activities:

- Pattern approval of measuring instruments
- Verification of mandatory instruments as required by law
- Licenses for manufacture, repair, service and sale of measuring instruments
- Training

The Metrology Department carries out verification more than 50,000 instruments in the fields of mass, force, hardness, length, volume, flow, heat, pressure, electricity and magnetic measurement in every year. About 90 percent of all mandatory measuring instruments are verified by the state verification officers.

Figures / 2002:

Pattern approval certificates were issued to over 100 types of measuring instruments.

67 companies and bodies were granted the licenses for their business of manufacture, repair, sale and hire of measuring instruments.

Accreditation

Objectives:

- To confirm technical competence of conformity assessment bodies to carrying out specific activity
- To upgrade the national accreditation facility in accordance with international conformity assessment procedures
- To promote the mutual recognition of test report and certificate from accredited laboratories and registrars/certifiers at the international and regional level
- To assist consumers to select verified products and services through accredited conformity assessment bodies

Accreditation programs:

- Testing/calibration laboratories
- Product certification bodies
- Technical inspection bodies
- Management system registrars/certifiers
- Personnel certification bodies

Figures / 2002:

Accredited:

- Testing laboratories – 46
- Calibration laboratories – 28
- Product certification bodies - 8

Testing types of accredited laboratories:

- For food and agricultural products – 23
- For raw materials of mineral – 8
- For building materials – 4
- For wool, cashmere and leather goods – 5
- For metal research – 2
- For medical treatment and diagnosis - 4

Measuring types of the accredited laboratories:

- For mass measurement – 7
- For volume and flow measurement – 6
- For electricity measurement – 7
- For heat and pressure measurement – 6
- For digital measurement – 1
- For meteorology measurement– 1

International cooperation

Aim:

To join specialist international organizations, develop cooperation with relevant international, regional and foreign bodies and mutual agreement on conformity assessment results.

Membership:

- ISO - International Organization for Standardization, full member 1979
- IEC - International Electrotechnical Commission, affiliate country programme 2000
- OIML - International Organization for Legal Metrology, a corresponding member 1998
- APLMF - Asia Pacific Legal Metrology Forum, 1997
- APMP - Asia Pacific Metrology Programme, 2002
- PASC - Pacific Area Standards Congress, 2002
- IRSA - Inter-Regional Standardization Association, 1997
- AFIT - Asian Forum of Information Technology, 1997
- AIIN - Asian ISO 14000 Information Network, 1998
- EAFTerm - East Asian Forum on Terminology, 1998
- NCSL International – National Conference of Standards Laboratories International, 2002

Mutual recognition agreements:

The Cooperation agreement on the Quality Certification and Mutual Recognition of Import and Export Commodities between the Government of Mongolia and the Government of the People's Republic of China

The Cooperation agreement on the Mutual Recognition of Certification Import and Export Commodities between the Ministry of Trade and Industry of Mongolia and the State

Committee of the Russian Federation for Standardization, Metrology and Quality certification.

Bilateral cooperation under memorandum of understanding and agreement on cooperation:

- KRIS - Korea Research Institute of Standards and Science
- KSA - Korean Standards Association
- KATS - Korean Agency for Technology and Standardization
- SCBTS - China State Bureau of Technical Supervision
- TSE - Turkish Standards Institute
- DSTU - The State Committee of Ukraine of Standardization, Metrology and Certification

Standards information center / WTO/TBT Enquiry Point

Main activities:

- Information service on standards, technical regulation and other related documentation
- WTO/TBT Enquiry point and has been implemented in accordance with the "Agreement on Technical Barriers to Trade" on the national level
- Establishment of National standards database /MONGLOBAL/
- Use of the PERINORM of EU 16 countries 600000 standards short text information database
- Establishment of facilities for internet access of worldwide standards information and international full text document servers
- Creation of sales and dissemination of e-documentation
- The Catalogue of Mongolian National standards is updated every two years
- National standards are classified according to the updated version of the International Classification of Standards (ICS)
- The Catalogue of Mongolian national standards in English is updated every three years
- Printing of standards
- Publishing of monthly journal "Standard and Metrology"