Stable operation of the standardisation system is one of the operating conditions for the natural gas market in Ukraine
Regulatory support of reforming oil and gas industry in Ukraine

The policy of Ukraine’s energy independence has been determined

- The coalition agreement
- The program of activities of the Cabinet of Ministers of Ukraine
- Sustainable Development Strategy "Ukraine - 2020"
- The foundation for the reform is the implementation of the Association Agreement between Ukraine and the European Union.
  - The reorganisation of energy markets and the implementation of European legislation in the energy sector under the Treaty establishing the Energy Community.
  - Ensuring energy security and the shift towards the efficient use of energy and the introduction of innovative technologies.
  - Establishing a natural gas market in accordance with the requirements of the Third EU-energy package.
The state ensured the approximation of national legislation to the requirements of European aquis communitaire.

Ukraine has signed an Association Agreement with the European Union, the European Atomic Energy Community and its Member States ratified by the Law of Ukraine #1678-VII dated 16.09.2014

The Agreement provides for the gradual achievement of compliance of national regulatory documents with the EU technical regulations.

The Contracting Parties apply generally accepted standards of the European Community in their sectors of network-based energy products and materials. Ukraine gradually introduce a set of European Standards (EN) as national standards. In parallel with such introduction Ukraine abolishes the conflicting national standards, in particular, the use of interstate standards (GOSTs) developed prior to 1992.

Ukraine has signed an agreement on accession to the Treaty establishing the Energy Community ratified by the Law of Ukraine #1678-VII dated 16.09.2014

The requirement of normative provision for safety requirements in the natural gas market becomes binding.

The Parliament of Ukraine has adopted the Law of Ukraine "On the natural gas market"

Development of regulations harmonised with European and international standards will contribute to ensuring an adequate level of interconnection of gas transportation systems of Ukraine with those of other countries, in particular, Member States of Energy Community, the removal of obstacles to cross-border trade of natural gas, and the creation of preconditions for exchange trading of natural gas.

National Joint Stock Company "Naftogaz of Ukraine" is the main organisation for standardisation of oil and gas industry that provides coordination of these works (order of the Ministry of Energy and Coal Industry of Ukraine #305 dated 20.05.15)
State regulation of the natural gas market in Ukraine

A Regulator is the National Commission for state energy and public utilities regulation

- development of competition and proper functioning of the regional (international) markets within the Energy Community;
- elimination of obstacles and restrictions to natural gas trade between the Member States of the Energy Community;
- promotion of safe, reliable and economical operation of gas infrastructure;
- ensuring simple and easy conditions of accession to the gas transmission and distribution systems, in particular elimination of barriers that may hinder such access for new wholesalers or suppliers, as well as wholesalers and suppliers of gas from alternative sources.
The competence of the Regulator on the natural gas market of Ukraine


Gas Transportation Systems Code

The Code represents the Rules of functioning of the gas transportation system of Ukraine and defines the legal, technical, organisational and economic principles of functioning of the gas transportation system of Ukraine, in particular:

1) the rights and obligations of the TSO and other subjects of the natural gas market, which receive services of access and connection to the gas transportation system;
2) the conditions for granting access to the gas transportation system capacities by the TSO;
3) the conditions for granting natural gas transportation services by the TSO;
4) mechanisms of interaction between the TSO and adjacent systems operators and other subjects of natural gas market.

Recalculation of the volume and calorific value on a variety of standard conditions is carried out in accordance with State Standard of Ukraine ISO 13443: 2015 "Natural gas. Standard reference conditions"

Gas Distribution Systems Code

The Code represents the Rules of interaction between the DSO and the natural gas market subjects, and defines the legal, technical, organisational and economic principles of functioning of the gas distribution systems, in particular, the conditions to ensure:

1) Safe and reliable operation of gas distribution systems and a guaranteed level of distribution (movement) of natural gas to/from adjacent subjects of the market of natural gas of appropriate quality;
2) commercial, including instrumental, metering of natural gas in the gas distribution system, and determination of its volume and the volume of its transfer to/from the gas distribution system, including by the natural gas market subjects:
3) customers’ access to the gas distribution system for the purpose of connecting their construction facilities or existing facilities thereto (conditions for technical access);
4) natural gas market subjects’ access to the gas distribution system for the actual transfer (distribution/consumption) of the natural gas pertaining to them to/from the gas distribution system (conditions for commercial access);
5) mechanisms of interaction between the DSO and adjacent systems operators and other natural gas market subjects.

When organising the operation of gas distribution systems and carrying out their maintenance and repair, DSO must follow the instructions and rules of technical operation of gas distribution systems, safety rules of gas supply systems, and state standards foreseen by applicable laws and regulations of Ukraine.
The impact of National JSC "Naftogaz of Ukraine" on the scientific and technological development of the industry

Performing a consolidating function of a body that fully ensures the cooperation of subsidiaries, companies, and business entities in whose charter (shared) capital the Company owns stakes (shares, interests), together with the Ministry of Economic Development and Trade of Ukraine, Ministry of Energy and Coal Industry of Ukraine and National Standardisation Body on the following issues:

- Participation in the development of perspective development strategy and programs of the oil and gas complex of Ukraine and the Company
- Organisation of forming a single scientific and technical policy in the oil and gas complex in the area of fuel supply
- Acting as the main organisation of the Ministry of Energy for standardisation in the oil and gas industry (Order of MECI #305 dated 20.05.15)
- Introduction of an integrated management system to integrate the processes and procedures in one holistic system with a complete set of documentation, policies, procedures and processes which enables manage the company and the industry in a more effective way
- Promotion and coverage of the achievements of industrial science by publishing scientific and production magazine "Oil and gas industry of Ukraine", the protection and development of human capacity.
The key role National JSC "Naftogaz of Ukraine"

Approximation of parameters of the domestic oil and gas industry to the norms and standards of the European Union by harmonising national regulations and standards of the Company with international and European standards and other regulatory acts

- performing the duties of a main standardisation agency in oil and gas industry (Order of the Ministry # 305 dated 20.05.15)
- coordination of works on development and implementation of the interstate, national and industry standards on oil and gas facilities with the participation of basic organisations and technical committees on standardisation
- ensuring communication and cooperation with National Standardisation Body to develop national standards, including standards harmonised with international and European standards
- organisation of works on termination of the former Soviet Union standards developed before 1992
- maintaining the Unified Register of normative documents of the oil and gas industry
Implementation of an integrated management system

Benefits:

 Coordination and alignment possibility in the system of corporate management of a number of processes, such as planning, technical regulation, internal audits, quality control and others.

 Constant improvement of company’s operations performance in the achievement of the set goals

 Reduction of costs for development and certification of products

 Increasing mobility and possibilities to adapt to changing conditions

 Strong attraction for interested parties and investors

Integrated management system is suitable for any company that plans to integrate two or more management systems into a single connected system with a complete set of documentation, policies, procedures and processes.

Standards in the integrated management system

• ISO 9001 Quality Management System is the basic structure for effective business management and meeting customers’ preferences.

• ISO 14001 Environmental Management System will significantly strengthen the company's ability to forecast, identify and manage its interaction with the environment, meet its environmental objectives and ensure a constant compliance with applicable legal requirements.

• BS OHSAS 18001 Health And Safety Management Systems helps create a safe and healthy working conditions and provides an effective approach that allows consistently identify and control the risks to health and safety, to reduce the likelihood of accidents and comply with legislation.

• ISO 27001 Information Security Management System implements an effective system for the creation, management and continuous improvement of the protection of information assets.

• ISO 50001 Energy Management System implements an effective energy management practices, allow to reduce energy costs, emissions and mitigate the environmental impact.

• ISO 26000 Social responsibility management systems defines the ethical and social requirements for suppliers and contractors who promote "socially responsible" corporations.

• ISO/TS 29001 Petroleum, petrochemical and gas industry. Sector - wide Quality Management System. Requirements for organisation supplying products and services - includes additional requirements for the design, development, production, installation and servicing of oil and gas industry.
Scientific coverage of topical issues oil and gas industry

Issuing of the scientific and production magazine "Oil and gas sector of Ukraine"

A list of scientific professional editions of Ukraine that can publish the results of thesis works for the scientific degree of Doctor of Sciences and Candidate of Sciences in:

- Geological Sciences
- Technical Sciences
- Economic Sciences

Analysis of global experience and innovative technologies, maintenance of a catalogue of advanced technologies, dissemination of information on the successful introduction of advanced technologies showcasing specific international projects, preparation of proposals for their implementation at the facilities of the domestic oil and gas industry, in particular, during the preparation and implementation of development programs and investment projects.

Creating conditions for the development of human capacity, attraction of young people into the process of Company’s innovative development.

Reviewed by the National Library of Ukraine named after V. I. Vernadsky, Russian Institute for Scientific and Technical Information of Russian Academy of Sciences (Russia) and University of Tulsa (USA).
Ensuring a stable work in the field of standardisation is one of the priorities in the organisation of the natural gas market of Ukraine.

The following are today’s main tasks:

- The adoption of national standards in the Ukrainian language;
- Development of recommendations on how to calculate (assess) the effectiveness of the implementation of standards in an enterprise;
- Studying the best practices of implementation of standards of companies in Energy Community countries;
- Approval and organisation of implementation of the “Programme of development of national standards harmonised with international and European regulatory documents, and update of sectoral standards and equated other regulatory documents of oil and gas industry for the period 2015-2030” coordinated with the Ministry of Energy and Coal Industry of Ukraine, and its implementation;
- Coordinated work of the TCs;
- The introduction of an integrated management system.