

# Overview of standardization and mandatory technical regulation systems of Turkmenistan (gas and electricity)

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## Overview of technical normalisation and standardization systems of the Partner Countries

### Abbreviations

TM	Turkmenistan
CEN	European Committee for Standardization
CENELEC	European Committee for Electrotechnical Standardization
CIS	Commonwealth of Independent States
EASC	Eurasian Council for standardization, metrology and certification
EFTA	European Free Trade Association
EOTS	European Telecommunications Standards Institute
EU	European Union
IDT	Identical
IEC	International Electrotechnical Commission
ISO	International Organisation for Standardization
ITC	Interstate Technical Committee for standardization
MOD	Modified
NEQ	Not equivalent
NSB	National Standardization Body
TC	Technical Committee for standardization

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## Overview of technical normalisation and standartization systems of the Partner Countries

### **I. Mandatory technical regulation**

Turkmenistan currently has a system of mandatory technical regulation, similar to the system of technical regulation of the former USSR, where the mandatory technical requirements were set forth in state standards and other regulations of the state executive power.<sup>1</sup>

Thus, the legal basis of the system for the mandatory technical regulation is provided by the laws and other legal acts in the field of standardisation and conformity assessment (certification).

#### **1. Regulatory framework (documents of mandatory technical regulation)**

n/a

#### **2. Participation in the mandatory technical regulation activity**

n/a

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<sup>1</sup> In accordance with the legislation of the Republic of Turkmenistan "The requirements of national standards and technical regulations are mandatory for all legal entities and individual entrepreneurs engaged in the development, production, implementation, operation (use), storage, transportation of goods (works, services)".

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### II. Standardization

#### 3. Regulatory framework (documents in the area of standardization)

##### 3.1. Legislative base

###### a) Laws

- Law “On standardisation” dated 19.10.2012,
- Law “On ensuring the uniformity of measurements” dated 19.10.2012

###### b) Presidential decrees

- Provisions of the activities of the Main State Service "Turkmenstandartlary", № 4394 dated 05.10.1999

##### 3.2. Types of documents used in the standardization system

Normative documents on standardisation applicable in the territory of the Republic of Turkmenistan include:

- national standards;
- international standards;
- interstate (regional) standards;
- standards of foreign countries
- technical specifications;
- industry standards;
- company standards;
- Rules, regulations, instructions, guidelines, norms and recommendations.

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Fundamental documents of standardization system:

- TDS 1.0-1993 –
- TDS 1.1-1993 –
- TDS 1.2-1993 –

### 3.3. Fundamentals of the standardization system

#### Legal status of standardization documents

- The mandatory use of national standards and technical specifications is reaffirmed by the law;

#### Copyright on the documents in the field of standardization

- The exclusive right of the official publication of international and interstate (regional) standards, standards of foreign countries, incorporated for use in Turkmenistan, as well as national standards and technical specifications, that passed the state registration, belongs to the State Service "Turkmenstandartlary".

#### Application of presumption of conformity of voluntary standards to the mandatory requirements of technical regulations

n/a

### 3.4. Implementation of international, regional and foreign standards as national standards

1	ISO - International Organisation for Standardization	yes (correspondent)
2	IEC – International Electrotechnical Commission	no
3	CEN - European Committee for Standardization	no
4	CENELEC - European Committee for Electrotechnical Standardization	no

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5	EASC - Eurasian Interstate Council for standardization, Metrology and certification	yes (full member)
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Methods for adoption of international and regional standards as national standards (except interstate standards GOST)

The adoption of international, regional and foreign standards as national ones is regulated by the national standard GR ISO/IEC 21:2002 – “Procedure for application of interstate and national standards, and normative tools of other countries” which corresponds to ISO/IEC Guide 21:1999.

<b>Methods of ISO/IEC Guide 21:1999</b>	
1. Endorsement	permitted
2. Sheet cover	permitted
3. Republication	
3.1. Reprinting	permitted
3.2. Translation	permitted
3.3. Redrafting	permitted

Methods of incorporation of international, regional and foreign standards without their adoption as national standards:

- Reference method <sup>2</sup> - not permitted
- Registration method <sup>3</sup> - not permitted

<sup>2</sup> Application of international, regional and foreign standards, which are referenced in legal documents (including the contracts between businesses)

<sup>3</sup> Application international, regional and foreign standards, which are registered by the authorized body in the prescribed manner

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### The order of application of interstate standards GOST

In accordance with GOST 1.2-2009 the interstate standard is used as a national standard in the countries whose national authorities have adopted this standard (acceded to) in line with with the procedure established by these national bodies.

In the Republic of Turkmenistan:

- The interstate standards are applied directly without their re-registration as a national standard through the enactment of relevant organisational and administrative documents by the NSB<sup>4</sup>.
- The NSB sets the start date for the standard's validity in the Republic of Turkmenistan with timely withdrawal of national standard (standards) which are in conflict with it (or duplicating it).
- Publication of information on the introduction of interstate standard for its use as a national standard, and its publication and distribution on the territory of the Republic of Turkmenistan is carried out in accordance with the procedure established for the national standards.

### 3.5. The order of development and adoption of standardization documents

- National and industry standards, company standards and technical specifications are developed on the basis of the relevant programme of the Republican standardisation, which is developed and approved by the State Service "Turkmenstandartlary";
- National and technical specifications are developed by public authorities or technical committees;
- Industry standards are developed by public authorities;

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<sup>4</sup> National Standardization Body – State service "Turkmenstandartlary".



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- Company standards are developed by the companies or individual entrepreneurs;
- The process of standards and technical specifications development includes the following:
  - preparation of draft standards or technical specifications by the developer taking into account proposals from all stakeholders, including those from bodies of state power;
  - approval of draft national standards or technical specifications in the State Service "Turkmenstandartlary";
  - approval of draft industry standards by the bodies of state power;
  - approval of the draft company standards by the companies themselves;
  - registration of standards or technical specifications in the State Service "Turkmenstandartlary";

## 4. Participants of the standardization activity

### 4.1. Main participants of standardization activities

#### a) Cabinet of Ministers:

- defines the unified state policy in the field of standardisation;
- issues of normative legal acts of Turkmenistan in the field of standardization;
- identifies the authorised body.

#### b) State Service "Turkmenstandartlary"

State Service "Turkmenstandartlary" is the authorised state body for standardisation and metrology, certification of products (works, services), accreditation of laboratories, geological control over the use and protection of mineral resources, mining supervision and management of occupational health and safety.

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- approves the national standards and introduces changes to them, carries out their state registration, gives validity to and withdraws them;
  - carries out state registration of technical specifications and amendments thereto;
  - In due course publishes national standards and technical specifications;
  - sets out the procedure for the development, adoption and registration of all documents on standardisation
  - sets out the procedure for incorporation in the territory of Turkmenistan of international, interstate (regional) standards, and other normative documents adopted by foreign countries;
  - establishes a procedure for the creation of services for standardisation of legal entities, and technical committees for standardisation;
  - maintains the State Register of standards and technical specifications;
  - represents Turkmenistan in international organisations operating in the field of standardisation.
- c) Other bodies of state executive power
- participate in the development of national standards and technical specifications
  - develop and approve other standardisation documents relevant to their competence.
- d) Services for standardisation of legal entities
- participate in the development of national standards and technical specifications.
- e) Technical committees for standardisation
- participate in the development of standards and technical specifications.
- f) The competent industrial and scientific organisations and institutions
- participate in the development of standards and technical specifications

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#### 4.2. List of the existing technical committees for standardization

**Gas sector – no TCs**

**Electrical sector – no TCs**

#### 4.3. Membership in international and regional organisations for standardization

	Organisation for standardization	yes (status) / no
1	ISO - International Organisation for Standardization	yes (correspondent)
2	IEC – International Electrotechnical Commission	no
3	CEN - European Committee for Standardization	no
4	CENELEC - European Committee for Electrotechnical Standardization	no
5	EASC - Eurasian Interstate Council for Standardization, Metrology and Certification	yes (full member)

#### 4.4. Participation in the activities of international and regional technical committees for standardization

Abbreviations:

P – Participant

O – Observer

**Gas sector:**

	EASC Technical Committee		Representation of Turkmenistan	Status
1	ITC 052	Pipe and steel tanks	Turkmenstantarlary	O
2	ITC 098	Household equipment operating on gas and liquid fuels	Turkmenstantarlary	O

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3	ITC 155	Connection of pipelines for engineering applications	Turkmenstantarlary	O
4	ITC 254	Industrial burners	Turkmenstantarlary	O
5	ITC 260	Chemical, petrochemical and gas processing equipment	Turkmenstantarlary	O

### Electrical sector:

	EASC Technical Committee		Representation of Turkmenistan	Status
1	ITC 019	Electrical machinery and apparatus	Turkmenstantarlary	O
2	ITC 048	Trackless electrified transport	Turkmenstantarlary	O
3	ITC 111	Energy saving	Turkmenstantarlary	P
4	ITC 208	Air-conditioning and ventilation	Turkmenstantarlary	P
5	ITC 232	Apparatus for measuring electrical energy and load control	Turkmenstantarlary	O
6	ITC 233	Measuring equipment for electrical and electromagnetic quantities	Turkmenstantarlary	O
7	ITC 234	Alarm and anti-burglary protection systems	Turkmenstantarlary	O
8	ITC 244	Stationary power equipment	Turkmenstantarlary	O
9	ITC 333	Rotating electrical machines	Turkmenstantarlary	O
10	ITC 506	Fans, centrifugal and axial-based contactless AC and DC motors	Turkmenstantarlary	O