

The Government of the Republic of Moldova



The Standardization and Metrology Service

Introduction

- The convention on the Transboundary Effects of Industrial Accidents was ratified by the parliament decision № 1546- XII of 23.06.1993.
- 11 February 2000 the Parliament of RM adopted the Law on industrial security of the industrial dangerous objects that determines the legal, economical and social background of the secure exploitation of the dangerous objects. The law is oriented to prevention accidents on the dangerous industrial objects and assuring of preparedness of the administrators; to liquidation and localization of the industrial and man caused accidents , as well as to protection of the local population and environment.

Introduction (2)

- The criteria for classification of the dangerous substances and definition of the dangerous activity agreed in the law are in accordance with the criteria for definition of the dangerous activities, established in the convention.
- The administrating body, responsible for assuring industrial security is the Standardization and Metrology Service (SMS) that is carrying out normative regulations and that is performing the permissive, control and supervision functions in industrial security domain.

The organigram of the Standardization and Metrology Service

The government of the
Republic of Moldova

STANDARDIZATION AND METROLOGY SERVICE

STAFF

The organizations and state institutions under the SMS

The central control

NATIONAL INSTITUTE FOR STANDARDIZATION
AND METROLOGY

THE STANDARDIZATION AND
TECHNICAL REGULATION DIRECTION

CENTRE ON STANDARDIZATION AND
METROLOGY OF ROJM BALTI

METROLOGY DIRECTION

CENTRE ON STANDARDIZATION AND
METROLOGY OF CIADIR LUNGA

THE CONFORMANCE EVALUATION DIRECTION

CENTRE ON TECHNICAL SUPERVISION OF WEAPONS

THE STATE SUPERVISION AND
PROTECTION OF CONSUMERS RIGHTS DIRECTION

THE TECHNICAL CENTRE ON INDUSTRIAL
SECURITY AND CERTIFICATION

THE TECHNICAL SUPERVISION AND
INDUSTRIAL SECURITY DIRECTION

THE CENTRAL STATE INSPECTION ON STANDARDIZATION,
METROLOGY AND PROTECTION
OF THE CONSUMERS RIGHTS

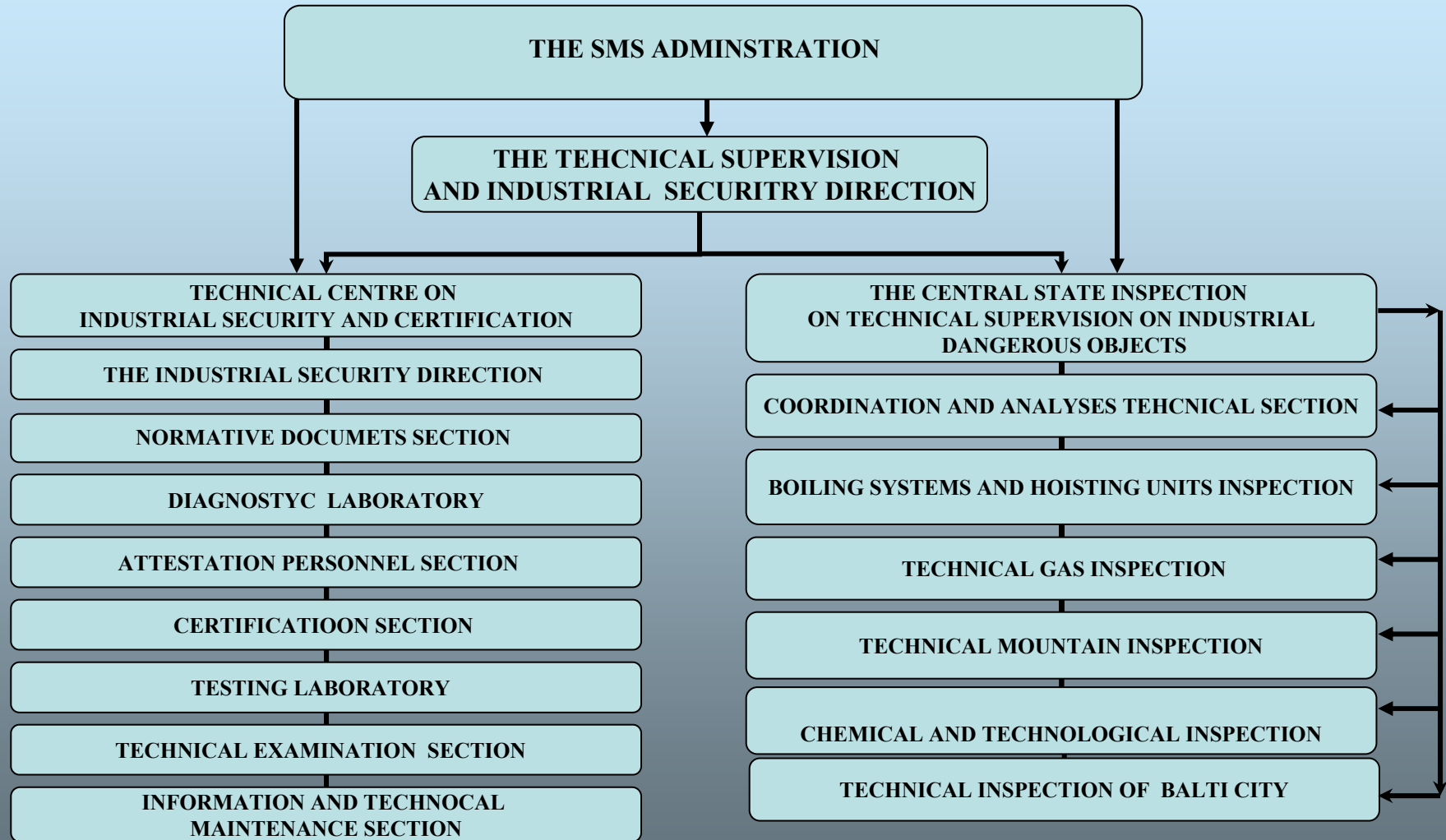
THE JUDICIARY AND HUMAN RESOURCES DIRECTION

THE CENTRAL STATE INSPECTION
ON DANGEROUS INDUSTRIAL OBJECTS
TECHNICAL SUPERVISION

THE FINANCIAL AND ECONOMICAL,
ACCOUNTING AND ADMINISTRATION DIRECTION

STORE SALOON STANDARD

The SMS organigram in industrial security domain



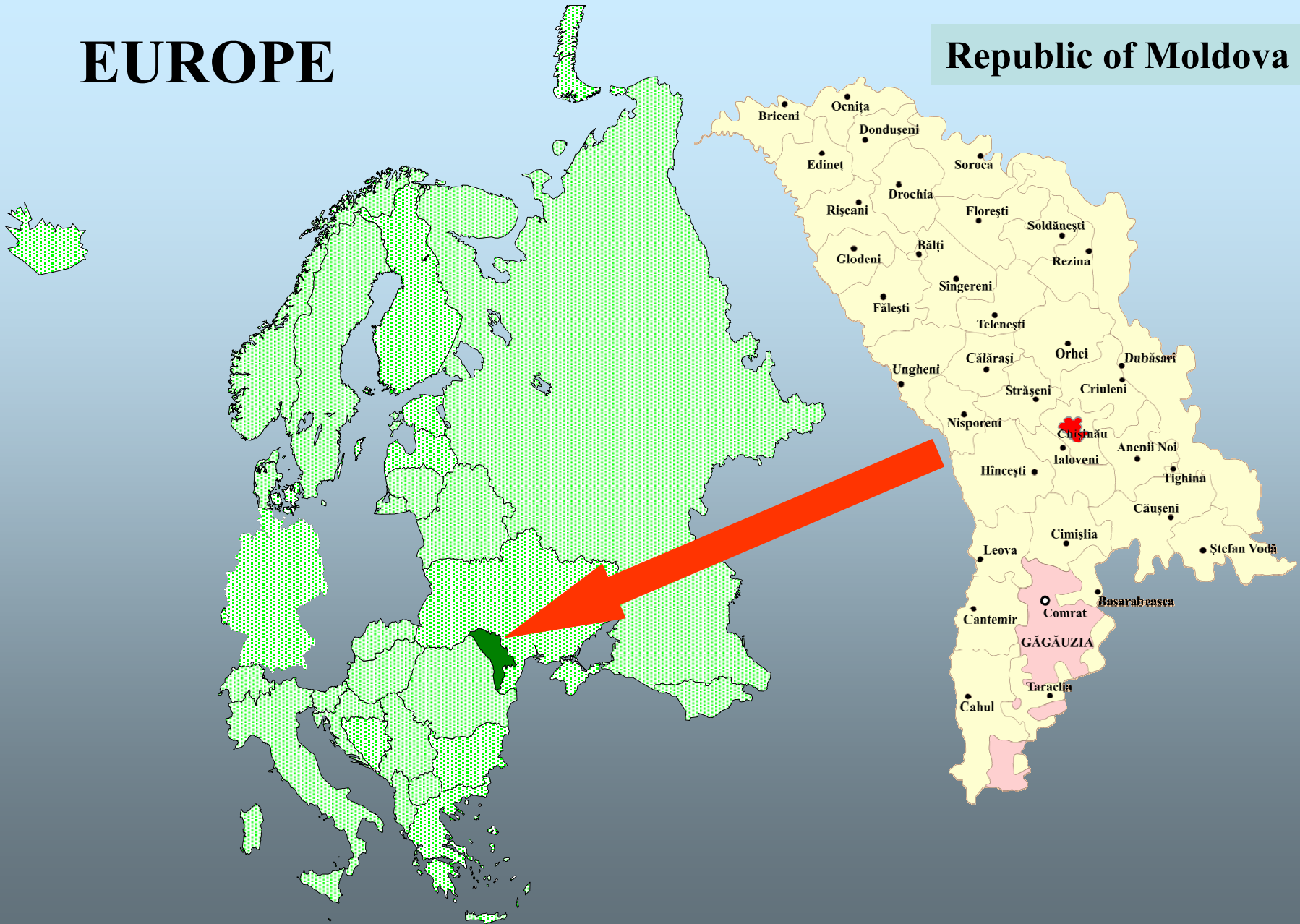
The Standardization and Metrology Service of the Republic of Moldova



**THE CENTRAL STATE INSPECTION
ON TECHNICAL SUPERVISION ON
INDUSTRIAL
DANGEROUS OBJECTS**

EUROPE

Republic of Moldova



NOMENCLATURE OF PRODUCTION, TECHNOLOGIES, EQUIPMENT AND OBJECTS UNDER THE STATE SUPERVISION

ORDER

№. 5

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*On establishment of nomenclature
of production, technologies
and technical supervision.*

To accomplish the law №.803-XIV of 11.02.2000 requirements on industrial security of the industrial hazardous objects. The regulation on the SMS, established by the law № 586 of 16.06.2005 and the Regulation on the central state inspection of the industrial hazardous objects.

Order:

To establish the nomenclature of the production activities, equipment and objects under the state technical supervision performed by the SMS.

NOMENCLATURE OF PRODUCTION, TECHNOLOGIES, EQUIPMENT AND OBJECTS UNDER THE STATE SUPERVISION

In chemical supervision domain

1. The objects where burning and combustible substances are produced, used, processed, stored and transported, including:

- **Petroleum and mineral oil storehouses;**
- **Refueling mineral oil stations**
- **Flour storehouses**
- **Parcels covered with materials based on organic diluents**
- **Parcels for drying and packing of sugar**
- **Areas of oil extracting**
- **Areas of ethyl alcohol production**
- **Bakery elevators;**
- **Mills;**
- **Areas for alcohol drinks production**
- **Installations for petroleum and mineral oil processing**
- **Sectors for hydrogen production**
- **Combustible and burning substances storehouses,**
- **Areas for mixed fodder production**
- **Areas for paint work materials production.**

NOMENCLATURE OF PRODUCTION, TECHNOLOGIES, EQUIPMENT AND OBJECTS UNDER THE STATE SUPERVISION

In chemical domain (continuation)

2. Objects, where toxic and very toxic substances are produced, used, processes, stored and transported, including

- **Chlorine storehouses,**
- **Water chlorination stations,**
- **Sulfurous anhydride storehouses,**
- **Ammonia storehouses;**
- **Refrigerating ammonia installations,**
- **Sections for sulfurous anhydride production,**
- **Acid storehouses.**

NOMENCLATURE OF PRODUCTION, TECHNOLOGIES, EQUIPMENT AND OBJECTS UNDER THE STATE SUPERVISION

In gasification domain

1. The arterial gas pipelines, including:

- gas pipelines;**
- compressor plant;**
- gas distribution station;**
- anticorrosive protection stations,**
gas measurement and registration stations;
- compressor, gas filling and gas refueling stations**

2. Gas supply systems of the rural and urban localities:

- gas regulating stations;**
- gas regulating points(ГПИ);**
- electro-chemical protection means against metallic pipelines and pipes corrosion;**
- gas consumption registration and measurement stations,**
- pipelines, gas distribution networks,**

NOMENCLATURE OF PRODUCTION, TECHNOLOGIES, EQUIPMENT AND OBJECTS UNDER THE STATE SUPERVISION

In gasification domain

3. Installations of the liquefied hydrocarbon gases,

- gas filling stations;**
- automobile gas refueling stations;**
- gas filling points;**
- distribution and storage systems;**

4. Industrial and agricultural gas installations.

5. Gas installations of heat and power plants and boiler rooms with heat power of 100 kwatts

6. The activity of the organizations for training, projection, production, mounting, technical services, exploitation, quality control of the welding connection, insulating works at the gas objects.



Legislation



- **Constitution**
- **Law on industrial security on the productive points,**
- **Law on gas,**
- **Law on main pipeline transport**
- **Law on hazardous products and substances regime.**
- **Law on licensing of some kinds of activity.**

The technical supervision of the chlorine objects secure exploitation

- Chlorine storehouses, chlorination stations, according to the law on industrial security of the hazardous objects of RM refer to industrial hazardous objects.
- The administrative body is SMS that carries out the normative regulation and performs the permissive, control and supervision functions in industrial security domain.
- The main objective of the supervision and control activity of the body responsible for industrial security is warning, determining and suppression of the breaches in respected norms.

The technical supervision of the chlorine objects secure exploitation

- The supervision and control functions are oriented for implementation of the state policy on industrial security and prevention of industrial accidents and emergencies.
- The individual form of supervision is generally used, that means that a inspector is responsible of several objects.
- As a rule, the objects are controlled once per year, in accordance to the annual plan on the inspection work.

The technical supervision of the chlorine objects secure exploitation

- When checking the objects, all the areas of industrial security are checked. When checking the inspector have to determine all the breaches of the rules, norms and instructions on industrial security and give instructions on their liquidation, check the execution of other earlier instructions.
- When checking, the inspector, may selectively test the personnel on knowledge of the rules and norms of industrial security, as well as may check the plans of accident liquidation.

The technical supervision of the chlorine objects secure exploitation

- In case of determination of some breaches that could be a threat for human life or may led to an accident , the inspector must suspend the activity, stamp the hazardous object and explain to the administration the reason of such actions.

The technical supervision of the chlorine objects secure exploitation

- The plans for liquidation of the accidents are checked, as well as their corresponding to the guidelines requirements, the existence and the fulfillment of implementation of the alarm training plans,

The technical supervision of the chlorine objects secure exploitation

- In case the inspector determines that the breaches do not represent a threat for human life and may be liquidated during the activity, he must establish a test period for liquidation of this breaches and require from the administration to take some additional measures for assuring security.

Requirements for construction, reconstruction and mounting on the equipment on a dangerous industrial object

- A mandatory requirement for construction or reconstruction of a dangerous object is the positive decision of the examination of the documentation in relation with industrial security.
- Acceptance for exploitation is made by the responsible body in industrial security domain.

Permission for activity related to chlorine usage (1)

- The proprietor can start the activity on an industrial hazardous object if he has got the security certificate, industrial security declaration, the insurance contract in case of causing some damage during the activity of the hazardous object.

Permission for activity related to chlorine usage (2)

- One of the forms of permission to carry out a hazardous industrial activity is the certificate on attestation of knowledge of the rules of the industrial security of the administrators and of the specialists from the enterprises and organizations that carry out a hazardous activity.

The normative and technical documentation

- The rules on the secure storage, transportation and usage of chlorine.
- The rules of the organization and secure exploitation of the vessels that are under pressure.
- The rules of the organization and secure exploitation of the technological pipelines
- The rules on the security insurance of the persons that deal with hazardous substances, products and wastes.
- The rules of elaboration and presentation of the industrial security declaration.
- The methodical indications on the development of the localization and liquidation of the accidents on the chemical-technological objects.