



**The decision of the Commission of the Customs Union of 18.10.2011 N 823
(as amended on 04.12.2012)**

**The adoption of the technical regulations of the Customs Union
"On the safety of machines and equipment"
"TR TC 010/2011. Technical Regulations of the Customs Union.
On the Safety of Machinery and Equipment"**

Table of Contents

The list of standards containing rules and methods (tests) and measurements, including the rules of sampling necessary for the implementation and enforcement of the technical regulations of the Customs Union "On the security of machinery and equipment" (TR CU 00_/2011) and implementation of assessment (confirmation) conformity of products

- Standards Group A (General Technical Security Issues)
- Standards Group B (Group Security)
- Standards Group C
- Turbines
- Piping, equipment, auxiliary power (forced-draft machines, safety valves)
- Diesel engines and diesel generators
- Mining equipment
- Lifting chains
- Equipment handling (cranes)
- Fixed belt conveyors (including retractable), scraper, team leader and other
- Electric wire rope hoists and chain
- Transport trackless production floor and adapt to
- Chemical equipment, oil and gas refining
- Equipment for the processing of polymeric materials
- Pumping equipment (pumps, pumping units and installations)
- Cryogenic equipment, compressors, refrigeration, oxyacetylene, gas cleaning, vacuum pumps
- Equipment and instruments for flame treatment of metals and metallization products
- Equipment gas-scrubbing and dust-collecting
- Oilfield and drilling Exploration
- Bellows
- Equipment for the preparation and purification of drinking water
- Metal-working machines
- Press and forging machines (other than machines with manual and pedal-operated)

- Woodworking equipment
- Manufacturing equipment for the foundry industry
- Equipment for the application of metal coatings
- Equipment for friction welding, mechanical, accessories and thermal spraying
- Lines and systems for mechanical engineering, flexible manufacturing system (FMS), modules, flexible manufacturing (GMP), robots
- Hydraulic
- Actuators and pneumatics
- Gear reducers and gearmotors WMD
- Chain drive, traction and cargo plate
- All terrain vehicles, snowmobiles carrying up to 1,000 kg and their trailers
- Fork
- Garage equipment for motor vehicles and trailers
- Agricultural machines
- Machines for livestock, poultry and feed
- Engines of tractors and agricultural machinery
- Machines for earthwork and reclamation works
- Road machines and equipment for the preparation of mortars
- Equipment and construction machinery
- Equipment for construction materials
- Manufacturing equipment for logging, log storage and timber rafting
- Machines for municipal services (business equipment)
- Type of industrial laundry equipment
- Equipment for dry-cleaning and dyeing of clothes and household goods
- Industrial fans
- Industrial air conditioners
- Air heaters and air
- Water heaters steam-
- Technological equipment for light industry (excluding spare parts)
- Technological equipment for textile industry
- Technological equipment for production of chemical fibers, glass fibers and asbestos fibers
- Manufacturing equipment for the food, dairy and fish industry
- Manufacturing equipment for milling, feed mill and grain elevator industry, fertilizer industry and poisonous chemicals
- Manufacturing equipment for trade, catering and food processing
- Goods, equipment for household appliances

- Printing equipment
- Manufacturing equipment for glass, porcelain, earthenware and cable industry (excluding spare parts)
- Fasteners engineering application
- Rolling

The list of standards on a voluntary basis, in compliance with the technical regulations of the Customs Union "On the safety of machines and equipment" (TR CU 00_/2011)

- Standards Group A (general technical security issues)
- Standards Group B (Group Security)
- Standards Group C
- Turbines
- Sintering equipment (machinery for agglomeration of raw materials). Crushers
- Diesel engines and diesel generators
- Mining equipment
- Lifting chains
- Equipment handling (cranes)
- Fixed belt conveyors (including retractable), scraper, team leader and other
- Electric wire rope hoists and chain
- Transport trackless production floor and adapt to
- Chemical equipment, oil and gas refining
- Equipment for the processing of polymeric materials
- Pumping equipment (pumps, pumping units and installations)
- Cryogenic equipment, compressors, refrigeration, oxyacetylene, gas cleaning, vacuum pumps
- Equipment and instruments for flame treatment of metals and metallization products
- Equipment gas-scrubbing and dust-collecting
- Equipment for pulp and paper
- Oilfield and drilling Exploration
- Bellows
- Equipment for the preparation and purification of drinking water
- Industrial valves
- Metal-working machines
- Press and forging machines (other than machines with manual and pedal-operated)
- Woodworking equipment
- Manufacturing equipment for the foundry industry
- Equipment for the application of metal coatings
- Equipment for friction welding, mechanical, accessories and thermal spraying

- lines and systems for mechanical engineering, flexible manufacturing system (FMS), modules, flexible manufacturing (GMP), robots
- Hydraulic and hydro
- Actuators and pneumatics
- Gear reducers and gearmotors WMD
- Chain drive, traction and cargo plate
- All terrain vehicles, snowmobiles carrying up to 1,000 kg and their trailers
- Fork
- Bicycles (except children)
- Outboard boat motors
- Garage equipment for motor vehicles and trailers
- Agricultural machines
- Machines for livestock, poultry and feed
- Engines of tractors and agricultural machinery
- Machines for earthwork and reclamation works, Supplement: "the development and maintenance of quarries"
- Road machines and equipment for the preparation of mortars
- Equipment and construction machinery
- Equipment for construction materials
- Manufacturing equipment for logging, log storage and timber rafting
- Machines for municipal services (business equipment)
- Type of industrial laundry equipment
- Equipment for dry-cleaning and dyeing of clothes and household goods
- Industrial fans
- Industrial air conditioners
- Air heaters and air
- Water heaters steam-
- Technological equipment for light industry (excluding spare parts)
- Technological equipment for textile industry
- Technological equipment for production of chemical fibers, glass fibers and asbestos fibers
- Manufacturing equipment for the food, dairy and fish industry
- Manufacturing equipment for milling, feed mill and grain elevator industry, fertilizer industry and poisonous chemicals
- Manufacturing equipment for trade, catering and food processing
- Goods, equipment for household appliances
- Printing equipment

- Manufacturing equipment for glass, porcelain, earthenware and cable industry (excluding spare parts)
- Fasteners engineering application
- Rolling

TR TC 010/2011.

**Technical Regulations of the Customs Union
On the safety of machinery and equipment**

Introduction

- Article 1. Sphere of application
- Article 2. Definitions
- Article 3. Market circulation
- Section 4. Ensuring the safety of machines and (or) equipment in the development (design)
- Article 5. Ensuring the safety of machines and (or) equipment in the manufacture, storage, transportation, use and disposal
- Article 6. Ensuring compliance with safety requirements
- Article 7. Conformity Assessment
- Article 8. Demonstration of compliance
- Article 9. The order of declaration of conformity of machines and (or) equipment
- Article 10. The composition of the evidentiary materials that are the basis for the declaration of conformity
- Article 11. The procedure of certification of machines and (or) equipment
- Article 12. Marking a single character of products on the market of the - of the Customs Union
- Article 13. Safeguard clause
- Appendix N 1. Basic requirements for the safety of machines and (or) equipment
- Appendix N 2. Additional safety requirements for certain categories of machinery and equipment
- Agricultural and other self-propelled machines and mobile
- Lifting devices
- Processing equipment and food processing, production of cosmetics or pharmaceuticals
- Appendix N 3
- The list of items of technical regulations, conformity assessment subject to the requirements of technical regulations of the Customs Union "On the safety of machines and equipment" in the form of certification
- The list of items of technical regulations, conformity assessment subject to the requirements of technical regulations of the Customs Union "On the safety of machines and equipment" in the form of declaration of conformity

The Eurasian Economic Community
Customs Union Commission
SOLUTION
on October 18, 2011 N 823
THE ADOPTION OF TECHNICAL REGULATIONS OF THE CUSTOMS UNION
"The Machinery Safety"

(Ver. Solutions Board of Eurasian Economic Commission from 04.12.2012 N 248)

In accordance with Article 13 of the Agreement on common principles and rules of technical regulation in the Republic of Belarus, the Republic of Kazakhstan and the Russian Federation, dated 18 November 2010 the Commission of the Customs Union (hereinafter - the Commission) has decided to:

1. Adopt technical regulations of the Customs Union "On the safety of machines and equipment" (TR TC 010/2011) (attached).

2. Approve:

2.1. List of Standards, as a result of which, on a voluntary basis, compliance with technical regulations of the Customs Union "On the safety of machines and equipment" (TR TC 010/2011) (attached);

2.2. List of standards containing rules and methods (tests) and measurements, including the rules of sampling necessary for the implementation and enforcement of the requirements of technical regulations of the Customs Union "On the safety of machines and equipment" (TR TC 010/2011) and the implementation of the evaluation (confirmation) of products (attached).

3. Install:

3.1. The technical regulations of the Customs Union "On the safety of machines and equipment" (hereinafter - the Technical Regulations) shall enter into force on 15 February 2013;

3.2. Appraisal Documents (confirmation) of compliance with mandatory requirements established by regulations of the Customs Union, or the law of the state - a member of the Customs Union, issued or adopted in respect of goods to which the technical regulations of the Technical Regulations (hereinafter - goods) before the effective date of the Technical Regulations valid until their expiration date, but not later than 15 March 2015. These documents issued or adopted prior to the date of publication of this Decision shall be valid until their expiration date.

From the date of entry into force of the Technical Regulations issued or evaluation documents (confirmation) of the product with mandatory requirements previously established regulations of the Customs Union, or the law of the state - a member of the Customs Union shall not be permitted;

3.3. Until March 15, 2015 allowed the production and introduction of products in accordance with the regulatory requirements, the previously established regulations of the Customs Union, or the law of the state - a member of the Customs Union, in the presence of evaluation documents (confirmation) of the

products listed mandatory requirements issued or adopted before the effective date of the Technical Regulations .

The above products are marked with the national conformity (with a market), in accordance with the laws of the state - or a member of the Customs Union Commission Decision of 20 September 2010 N 386.

Labeling of such products uniform mark of products on the market states - members of the customs union is not allowed;

3.3.1. Prior to November 15, 2013 allowed the production and release into the circulation in the customs territory of the Customs Union of products that are not subject to the entry into force of the Technical Regulations mandatory assessment (attestation) mandatory requirements established by regulations of the Customs Union, or the law of the state - a member of the Customs Union without documentation of mandatory assessment (attestation) and non-marking national conformity (with a market);

(Paragraphs 3.3.1 introduced decision of the Board of the Eurasian Economic Commission of 04.12.2012 N 248)

3.4. Handling products released into circulation during the period of evaluation documents (confirmation) of compliance referred to in paragraph 3.2 of this Decision, and the products referred to in paragraph 3.3.1 of this Decision shall be allowed during the life of products, established in accordance with the laws of the State - member of the Customs Union.

(In ver. Resolution of the Board of the Eurasian Economic Commission of 04.12.2012 N 248)

4. Secretariat of the Commission in cooperation with the Parties to prepare a draft plan of activities required for the implementation of the Technical Regulations , and within three months from the date of entry into force of this Decision, to provide representation for approval by the Commission in due course.

5. Russian Party with the participation of the Parties on the basis of the monitoring results of the application of standards to ensure the preparation of proposals for updating the list of the standards referred to in paragraph 2 of this Decision, and the presentation at least once a year from the date of entry into force of the Technical Regulations in the Secretariat of the Commission for approval by the Commission in the prescribed manner .

6. Parties:

6.1. to the date of entry of the Technical Regulations in force to determine the state control (supervision), responsible for the implementation of state control (supervision) over observance of technical regulations and inform the Commission thereof;

6.2. ensure that the state control (supervision) over compliance with the Technical Regulations of the date of its entry into force.

The members of the Commission of the Customs Union:

For the Republic of the Republic from the Russian

Belarus Kazakhstan Federation

(Signature) (Signature) (Signature)

S.RUMAS U.Shukeev IGOR SHUVALOV

**The standard contained terms and methods of tests and measurements,
Including selecting samples required for application
The requirements of TECHNICAL REGULATIONS of the CUSTOMS UNION on
"THE MACHINE SAFETY"(TR CU 00_/2011)**

Designated Standard	Standard name
Standards Group A (general technical security issues)	
Standard EN 1050-2002	Safety of machinery. The principles of assessment and risk determination
ST R ISO 12100-1-2007	Safety of machinery. Basic concepts, general principles for design. Part 1. Basic terms, the methodology
GOST R ISO 12100-2-2007	Safety of machinery. Basic concepts, general principles for design. Part 2. Technical principles
Standards Group B (Group Security)	
GOST 12.1.001-89	Occupational safety standards system. Ultrasound. General requirements for safety
GOST 12.1.002-84	Occupational safety standards system. Power frequency electric fields. Acceptable levels of strength and requirements to conduct monitoring in the workplace
GOST 12.1.003-83	Occupational safety standards system. Noise. General requirements for safety
GOST 12.1.004-91	Occupational safety standards system. Fire safety. General requirements
GOST 12.1.005-88	Occupational safety standards system. General hygiene requirements to the working area
GOST 12.1.010-76	Occupational safety standards system. Explosion. General requirements
GOST 12.1.012-2004	Occupational safety standards system. Vibration safety. General requirements
GOST 12.1.040-83	Occupational safety standards system. Laser safety. General provisions
GOST 12.1.050-86	Occupational safety standards system. Methods of measurement of noise in the workplace
GOST 12.4.077-79	Occupational safety standards system. Ultrasound. Method of measuring the sound pressure at the workplace
GOST 14254-96 (IEC 529-89)	Degrees of protection provided by enclosures (code IP)
GOST 23941-2002	The noise of cars. Methods for determination of

	noise characteristics. General requirements
GOST 30457-97 (ISO 9414-1-93)	Acoustics. Determination of sound power levels of noise sources using sound intensity. Measurement at discrete points. Engineering method
GOST 30683-2000 (ISO 11204:1995)	The noise of cars. Measurement of emission sound pressure levels at a work station and at other control points. Method with corrections to the acoustic conditions
GOST 30691-2001 (ISO 4871-96)	The noise of cars. The application and control of noise emission characteristics
GOST 30860-2002 (EN 842:1996, EN 981:1996)	Safety of machinery. The main characteristics of optical and acoustic signals of danger. Requirements and test methods
GOST 31193-2004 (EN 1032:2003)	Vibration. Defining the parameters of vibration characteristics of self-propelled machines. General requirements
GOST 31172-2003 (ISO 11201:1995)	The noise of cars. Measurement of emission sound pressure levels at a work station and at other control points. Engineering method in an essentially free field over a reflecting plane
GOST 31273-2003 (ISO 3745:2003)	The noise of cars. Determination of sound power levels using sound pressure. Precision methods for anechoic chambers
GOST 31274-2004 (ISO 3741:1999)	The noise of cars. Determination of sound power levels using sound pressure. Precision methods for reverberation chambers
GOST 31275-2002 (ISO 3744:1994)	The noise of cars. Determination of sound power levels of noise sources using sound pressure. Engineering method in an essentially free field over a reflecting plane
GOST 31276-2002 (ISO 3743-1:1994, ISO 3743-2:1994)	The noise of cars. Determination of sound power levels of noise sources using sound pressure. Engineering methods for small portable sound sources in reverberant fields in areas with hard walls and a special reverberation chambers
GOST 31277-2002 (ISO 3746:1995)	The noise of cars. Determination of sound power levels of noise sources using sound pressure. Survey method using the measurement surface over a reflecting plane
GOST 31217-2003 (EN 626-1:1994)	Safety of machinery. Reducing the risk to health from hazardous substances emitted during operation of the machines. Part 1. The main provisions for machinery manufacturers
GOST 31327-2006	The noise of cars. The method of comparison of data on noise machinery and equipment
Standard EN 953-2002	Safety of machinery. Removable protective device. General requirements for the design and manufacture of fixed and movable removable protective devices
Standard EN 1037-2002	Safety of machinery. Prevention of unexpected start-up
Standard EN 1760-1-2004	Safety of machinery. Protective devices which respond to the pressure. Part 1. The basic principles for the design and testing of rugs and floors, pressure sensitive

Standard EN 1837-2002	Safety of machinery. Recessed lighting cars
Standard ISO 8995-2002	Principles of visual ergonomics. Lighting of indoor work systems
GOST ISO 10326-1-2002	Vibration. Evaluation of vibration vehicle seat by means of laboratory tests. Part 1. General requirements
Standard ISO 13851-2006	Safety of machinery. Handed device management. Functional aspects and principles of design
Standard ISO 13855-2006	Safety of machinery. Location of protective devices with the approach speeds of parts of the human body
GOST ISO 14123-2-2001	Safety of machinery. Reducing the risk to health from hazardous substances emitted by equipment. Part 2. Methodology for the selection of methods validation
GOST ISO 7919-1-2002	Vibration. Evaluation of machine vibration by measurements on rotating shafts. General requirements
GOST ISO 7919-3-2002	Vibration. Evaluation of machine vibration by measurements on rotating shafts. Industrial machine systems
IEC 60204-1-2007	Safety of machinery. Electrical equipment of machines and mechanisms. Part 1. General requirements
GOST R 51838-2001	Safety of machinery. Electrical equipment of industrial machines. Test methods
GOST R 53081-2008 (CEN / TR 15350:2006)	Vibration. Assessing the impact of local vibration data on the activity of the vibration machines
GOST R ISO 13373-1-2009	Condition monitoring and diagnostics of machines. Vibration condition monitoring of machines. Part 1. General Methods
GOST R ISO 13373-2-2009	Condition monitoring and diagnostics of machines. Vibration condition monitoring of machines. Part 2. processing, analysis and presentation of the results of vibration measurements
GOST R ISO 14122-3-2009 STB ISO 14122-3-2004	Safety of machinery. Means of access to machines landline. Part 3. Stairs and railings
GOST R ISO 14122-4-2009	Safety of machinery. Means of access to machines landline. Part 4. Vertical ladder
GOST R ISO 5534-3-2007	The ergonomic design of machines for security. Part 3. Anthropometric data
GOST R 53573-2009 from 01.01.2011	Vibration. Measurements of vibration transmitted to the machine via the elastic isolators. General requirements
STB ISO 13857-2010	Safety of machinery. Safety distances to protect the upper and lower limbs from falling into the danger zone
PrEN 574-2006	Safety of machinery. The control unit -handed. Principles for design
STB EN 614-2-2005	Safety of machinery. Ergonomic principles in the design. Part 2. The relationship between the layout of machinery and work tasks

PrEN 999-2003	Safety of machinery. Location of safety devices with the speed of approaching human body parts
PrEN 1032-2006	Vibration. Methods of test for mobile machines for determining the values of the transmitted vibration
PrEN 1093-1-2007	Safety of machinery. Evaluation of the emission into the atmosphere of pollutants. Part 1. The choice of methods of tests
PrEN 1299-2006	Vibrations and mechanical shocks. Vibration isolation of machines. Notes on sources of vibration isolation
STB ISO 13849-1-2005 = ISO 13849-1-2003	Safety of machinery. Elements of system security management. Part 1. General principles for design
STB ISO 13849-2-2005	Safety of machinery. Elements of system security management. Part 2. Validation
STB IEC 60204-31-2006	Safety of machinery. Electrical equipment of machines and mechanisms. Part 31. Additional requirements and safety requirements of electromagnetic compatibility for sewing machines, installations and systems
Standards Group C	
Turbines	
GOST 24278-89	Installation of stationary steam turbines for electric power generators power plants. General technical requirements
GOST 25364-97	Stationary Steam Generating Units. Standards support shafting vibration and general requirements for conducting measurements
GOST 27165-97	Stationary Steam Generating Units. Norms shafting vibration and general requirements for conducting measurements
GOST 28775-90	Gas compressor units with gas turbine drive. General specifications
GOST 28969-91	Steam turbines stationary low power. General specifications
GOST 29328-92	Gas-turbine to drive turbine generators. General specifications
GOST ISO 10816-4-2002	Vibration. Evaluation of machine vibration by measurements on non-rotating parts. Part 4. Gas turbine plants
GOST R 52782-2007 (draft ISO 2314)	Gas-turbine. Test methods. Acceptance Testing
GOST ISO 7919-4-2002	Vibration. Evaluation of machine vibration by measurements on rotating shafts. Gas turbine units
GOST 28757-90	Heaters for steam recovery systems turbine power plants. General specifications
GOST 10731-85	Surface type vaporizers for steam-turbine power plants. General specifications
GOST R ISO 11042-1-2001	Gas-turbine. Methods for determining emissions
Piping, equipment, auxiliary power (forced-draft machines, safety valves)	
GOST 29310-92	Forced-draft machines. Methods of acoustic tests

Diesel engines and diesel generators	
GOST 10150-88	Engines, marine, locomotive and industrial. General specifications
GOST 13822-82	Electrical apparatuses and mobile electric diesel. General specifications
GOST 21671-82	Electrical apparatuses and power stations benzene. General specifications
GOST 26658-85	Electrical apparatuses and mobile electric power from internal combustion engines. Methods of testing
GOST R 52988-2008 (ISO 8528-10:1998)	The noise of cars. Electrical apparatuses for generating an AC motor-driven internal combustion engine. Measurement of noise by covering the surface of the
GOST 51249-99	Reciprocating internal combustion engines. Emissions of harmful substances in the exhaust gases. Norms and methods for determining the
GOST 51250-99	Reciprocating internal combustion engines. Exhaust gas opacity. Limits and methods of determining the
GOST R 53174-2008	Generating sets with diesel and gas engines. General specifications
GOST R 53175-2008	Generating sets with gasoline internal combustion engines. General specifications
GOST R 53178-2008	Generating sets with petrol, diesel and gas-fueled internal combustion engine. Test methods
Mining equipment	
GOST 12.2.106-85	Occupational safety standards system. Plant and machinery used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST R 52152-2003	Mechanized roof supports for the lavas. The main parameters. General technical requirements. Methods of testing
STB 1575-2005	Mechanized roof supports for the lavas. The main parameters. General technical requirements. Methods of testing
GOST R 51748-2001	Malleable metal roof support frame. Shoring arch. General specifications
GOST R 52042-2003	Roof support anchors. General specifications
GOST 50910-96	Malleable metal roof support frame. Methods of testing
GOST R 53648-2009	Locomotives underground. General technical requirements and test methods
GOST R 53649-2009	Combines treatment. General technical requirements. Test methods
GOST R 53650-2009	Plow installation. General specifications
GOST 12.2.105-84	Occupational safety standards system. Mineral processing

	equipment. General requirements for safety
GOST 7524-89	Spheres steel grinding for ball mills. Specification
GOST 50124-92	Magnetic and electromagnetic separators. General specifications
GOST 31191.1-2004	Mechanical vibration and shock. Measurement of whole-body vibration and evaluation of human exposure. Part 1. General requirements
GOST 313192.1-2004	Vibration. Measurement and evaluation of local vibration of human exposure. Part 1. General requirements
GOST 26980-95	Shovels. General technical conditions
GOST 12.2.030-2000	Occupational safety standards system. Machine manual. Noise characteristics. The norm. Methods of testing
GOST R 52018-2003	Buckets sinking. Specifications
GOST 50910-96	Malleable metal roof support frame. Methods of testing
GOST R 51748-2001	Malleable metal roof support frame. Shoring arch. General specifications
GOST 15850-84	Parachutes for mine cages. Specifications
GOST 15851-84	Device suspended for mine cages. Specification
GOST R 52218-2004	Sinking winch. General technical requirements and test methods
GOST 15035-80	Underground scraper winch. Technical conditions
GOST R 52442-2005	Hammers pneumatic telescopic. General requirements
GOST R 52443-2005	Hammers pneumatic column. General technical requirements
GOST 12.2.106-85	Occupational safety standards system. Plant and machinery used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST 26917-2000	Loading and unloading mine. General technical requirements and test methods
GOST R 50703-2002	Heading machines swept the executive body. General technical requirements and test methods
GOST R 52217-2004	Devices trailer sinking. Technical conditions
GOST R 52218-2004	Sinking winch. General technical requirements and test methods
GOST 51246-99	Portable pneumatic rock drills. Requirements and test methods
GOST 12.2.106-85	Occupational safety standards system. Plant and machinery used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST 7828-80	Sinking winch. Specifications
GOST 28628-90	Conveyors mine tape. General

	technical conditions
GOST 51042-97	Conveyors mine tape. Test methods
GOST R 51669-2000	Bottom hole hydraulic rack. Methods of testing
GOST R 51670-2000	Conveyors for mines scraping. Test methods
GOST R 51984-2002	Conveyors mine tape. General technical conditions
GOST 12.2.106-85	Occupational safety standards system. Plant and machinery used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST 26699-98	Installation drill shaft. General technical requirements and test methods
GOST 26698.1-93	Machine tools for drilling blast holes in open pit mining. General specifications
GOST 26698.2-93	Underground drilling machines. General technical conditions
GOST R 12.2.141-99	Occupational safety standards system. Drilling equipment ground. Requirements Safety
GOST 12.2.106-85	Occupational safety standards system. Plant and machinery used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
Lifting chain	
GOST 25996-97 (ISO 610-90)	Round link chain for high-mountain equipment. Specifications
GOST 30188-97	Calibrated high-strength lifting chain. Specification
GOST 30441-97 (ISO 3076-84)	Short sling lifting chain calibrated grade T (8). Specifications
Standard EN 818-7-2010	Short sling lifting chain. The requirements of security. Part 7. Calibrated chains. Grade T (Types T, DAT and DT). (IDT EN 818-7:2002)
GOST R EN 818-1-2005	Chain of round steel short link for lifting goods. Safety. Part 1. General requirements for the acceptance
GOST R EN 818-2-2005	Chain of round steel short link for lifting goods. Safety. Part 2. Chains of steel normal accuracy for sling chains of Class 8
GOST R EN 818-3-2005	Chain of round steel short link for lifting goods. Safety. Part 3. Chains of steel normal accuracy for sling chains of class 4
GOST R EN 818-4-2005	Chain of round steel short link for lifting goods. Safety. Part 4. Sling chain of Class 8
GOST R EN 818-5-2005	Chain of round steel short link for lifting goods. Safety. Part 5. Sling chain of class 4
PrEN 1677-1-2005	Details of funds slinging. Safety. Part 1. Forged parts, strength class 8

PrEN 1677-2-2005	Details of funds slinging. Safety. Part 2. forged hooks with safety lock, class strength 8
Materials handling equipment (cranes)	
GOST 7075-80	Overhead cranes manual support. Technical conditions
GOST 7890-93	Cranes bridge with one beam suspension. Specification
GOST 13556-91	Cranes tower construction. General technical conditions
GOST 22045-89	Electric single-girder overhead traveling cranes support. Specifications
GOST 22827-85	Mobile jib cranes for general use. Specifications
GOST 27584-88	Bridge and gantry cranes are electric. General specifications
GOST 28433-90	Stacker cranes rack. General technical conditions
GOST 28434-90	Stacker cranes overhead. General technical conditions
GOST 31271-2002 (ISO 4310 : 1981)	Cranes. The rules and methods of test
Fixed belt conveyors (including retractable), scraper, team leader and other	
GOST 12.2.022-80	Occupational safety standards system. Conveyors. General requirements for safety
GOST 12.2.119-88	Occupational safety standards system. Lines automatic rotor and rotor-conveyor. General requirements for safety
GOST 2103-89	Conveyors common purpose. Specifications
GOST 30137-95	Horizontal vibratory conveyors. General specifications
GOST R 51803-2001	Construction mobile belt conveyors. General specifications
PrEN 620-2007	Equipment and systems for continuous loading. Fixed belt conveyors for bulk materials. Requirements for safety and electromagnetic compatibility
Electric wire rope hoists and chain	
GOST 22584-96	Electric wire rope hoists. General technical conditions
GOST 24599-87	Rope Grabs for pillowcase goods. General specifications
GOST 28408-89	Hand hoists and cats. General specifications
Getting the production floor trackless and adapt to	
GOST 18962-97	Machine stand trackless electric transport. General specifications
GOST 24282-97	Machine stand trackless electric transport. Methods of testing

GOST 29249-2001 (ISO 6055-97)	Transport trackless floor. Protective shelters. Specifications and methods of test
GOST 31318-2006 (EN 13490:2001)	Vibration. Laboratory method for evaluation of vibration transmitted through the seat of the machine operator. Transportation Floor
GOST 51349-99 (ISO 2328-93, ISO 2330-95, ISO 2331-74)	Transport trackless floor. Plates trucks, fork. Specifications
GOST R 53080-2008 (EN 13059:2002)	Vibration. Defining the parameters of vibration characteristics of self-propelled machines. Outdoor trucks
GOST 51347-99 (ISO 5767-92)	Transport trackless floor. Loaders and stackers, working with tilted forward forklift. Additional tests on the stability.
GOST 51348-99 (ISO 6292-96)	Transport trackless floor. System brakes. Technical requirements
GOST 51354-99 (ISO 3691-80)	Transport trackless floor. Requirements Safety
GOST 50609-93 (ISO 5766-90)	Machines industrial trucks. Stackers and lift trucks with a platform with a large high rise. Methods of test for resistance
Chemical equipment, oil and gas refining	
GOST 20680-2002	Apparatus with mechanical stirring devices. General specifications
GOST 30872-2002	Air coolers. General specifications
GOST R 51563-2000	Liquid centrifugal separators. The requirements of security. Test methods
GOST R 51564-2000	Machines and units for drying and evaporating. Safety requirements. Test methods
GOST R ISO 13706-2006	Devices with air cooling. General technical requirements
GOST R 51738-2001	Equipment for microbiological productions. Apparatus for hydrolysis of plant materials. Fermentations. Safety requirements. Methods of testing
GOST R 51931-2002	Centrifuges industrial. The requirements of security. Test methods
Equipment for the processing of polymeric materials	
GOST 12.2.045-94	Occupational safety standards system. equipment for the production of rubber products. Safety requirements
GOST 11996-79	Batch mixers. General specifications
GOST 14333-79	Rolls rubber processing. General technical conditions
GOST 14106-80	Autoclaves for vulcanization. General technical conditions
GOST 15940-84	Tire building machines. General technical conditions

Pumping equipment (pumps, pumping units and installations)	
GOST 3347-91	Centrifugal pumps for liquid dairy products. General specifications
GOST 6134-87	Pumps dynamic. Test methods
GOST 14658-86	Positive displacement pumps hydraulic drives. Acceptance rules and test methods
GOST 17335-79	Positive displacement pumps. Acceptance rules and methods of test
GOST 22247-96 (ISO 2858-75)	Centrifugal pumps for water console. Basic parameters and dimensions. The requirements of security. Methods of control
GOST 30645-99	Energy conservation. Alternative and renewable energy sources. Heat pumps "air-to-water" for domestic heating. General technical requirements and test methods
GOST 31300-2005 (EN 12639:2000)	The noise of cars. Hydraulic pumps. The tests on noise
GOST 31336-2006 (ISO 2151:2004)	The noise of cars. Technical methods for measuring noise of compressors and vacuum pumps
GOST ISO 16902-1-2006	The noise of cars. The technical way to measure sound pressure pumps hydraulic drives for sound intensity
Standard IEC 60335-2-41 - 2009	Household and similar electrical appliances. Safety. Part 2-41. Additional requirements for pumps
GOST R 51896-2002	Downhole sucker rod pumps. General technical requirements
GOST R 52743-2007 (EN 809:1998) = prEN 809-2004	Pumps and pump units for pumping liquids. General requirements for safety
GOST R 52744-2007	Submersible pumps and pump units. Requirements Safety
STB 1831-2008	Pumps for hydraulic drive. Specification
STB EN 13951-2009	Equipment food and agriculture. Pumps for supplying the liquid products. Safety requirements and rules of construction
Cryogenic equipment, compressors, refrigeration, oxyacetylene, gas cleaning, vacuum pumps	
GOST 12.2.016-81	Occupational safety standards system. Compressor equipment. General requirements for safety
GOST 12.2.016.1-91	Occupational safety standards system. Compressor equipment. Determination of the noise characteristics. General requirements

GOST 12.2.110-95	Air compressors piston stationary utility. Norms and methods for determining the noise characteristics
GOST 12.2.133-94	Occupational safety standards system. compressors and vacuum pumps, liquid ring. Safety requirements
GOST 18517-84	Compressors garage. General specifications
GOST 22502-89	Condensing unit with hermetic refrigeration compressors for commercial refrigeration equipment. General specifications
GOST 23833-95	Commercial refrigeration equipment. General specifications
GOST 27407-87	Opposed Piston compressors. Acceptable levels of noise characteristics and methods of measurement
GOST 30829-2002	Acetylene generator mobile. General specifications
GOST 30938-2002	The compressor equipment. Determination of the vibration characteristics of small and medium-sized reciprocating compressors and the rate of vibration
GOST 50821-95	Mist fiber. Types and basic parameters. Safety requirements. Methods of testing
GOST 51360-99	Refrigeration compressors. Safety requirements and test methods
GOST R 51562-2000	Equipment gas-scrubbing and dust-collecting. Filter bags. Dust collectors are wet. Safety requirements. Test methods
GOST R 51707-2001	Cottrell. Safety requirements and methods of test
GOST R 51708-2001	Centrifugal Dust Collector. Requirements and test methods
GOST R 51878-2002	Scrubbers adsorption. Requirements and test methods
GOST R 52445-2005	Scrubbers absorption. Requirements and test methods
GOST R 52615-2006 (EN 1012-2:1996)	Compressors and Vacuum Pumps. The requirements of security. Part 2. Pumps
Equipment and instruments for flame treatment of metals and metallization products	
GOST 12.2.008-75	Occupational safety standards system. Machines and apparatus for flame treatment of metals and thermal spray coatings. Safety requirements
GOST 12.2.054.1-89	Occupational safety standards system. Installation acetylene. Acceptance and Test Methods
GOST 13861-89	Gearboxes for flame treatment. General specifications
GOST 30829-2002	Acetylene generator mobile. General specifications
GOST 50379-92	Tightness of the equipment used in gas welding, cutting and allied processes. Permissible speeds external leakage of gas and the method of

	measurement.
GOST 50402-92	Safety devices for fuel gases and oxygen or compressed air used in gas welding, cutting and allied processes. Basic concepts, general requirements and test methods
Equipment gas-scrubbing and dust-collecting	
GOST 50820-95	Equipment gas-scrubbing and dust-collecting. Methods for determination of gas-dust flows
GOST R 51562-2000	Equipment gas-scrubbing and dust-collecting. Filter bags. Dust collectors are wet. Safety requirements. Test methods
GOST R 51708-2001	Centrifugal Dust Collector. Requirements and test methods
Oilfield and drilling Exploration	
GOST 12.2.041-79	Occupational safety standards system. Drilling equipment. Safety requirements
GOST 12.2.088-83	Occupational safety standards system. ground-based equipment for the development and repair of wells. General requirements for safety
GOST 12.2.108-85	Occupational safety standards system. Installation for drilling of exploration and water wells. Requirements Safety
GOST 12.2.115-2002	Occupational safety standards system. Preventing equipment. Requirements Safety
GOST 12.2.125-91	Occupational safety standards system. Equipment Rope ground. Requirements Safety
GOST 12.2.136-98	Occupational safety standards system. Sucker rod ground equipment. Requirements Safety
GOST 12.2.228-2004	Occupational safety standards system. Instruments and accessories round trip to repair wells. Safety requirements
GOST 15880-96	Electric drills. General specifications
GOST 26698.1-93	Machine tools for drilling blast holes in open pit mining. General specifications
GOST 26698.2-93	Underground drilling machines. General technical conditions
GOST 30767-2002	Equipment for gas lift wells. Safety requirements and methods of test
GOST 30776-2002	Pump installations, mobile oil country. General specifications
GOST R 51365-2009	Oilfield Mining wellhead. General specifications
GOST R 51896-2002	Downhole sucker rod pumps. General technical requirements
GOST R 53680-2009 (01.01.2011)	The oil and gas industry. Equipment for work over wells. General technical requirements

GOST R 53683-2009 (01.01.2011)	The oil and gas industry. Drilling and production equipment. Lifting equipment. General technical requirements
Bellows	
GOST 21744-83	Multilayer metal bellows. General specifications
GOST 27036-86	Bellows expansion joints and seals the metal. General specifications
GOST 28697-90	Tests program bellows expansion joints and seals. General requirements
GOST 30780-2002	Steel vessels and apparatus. Compensators and bellows lens. Methods based on the strength of
Equipment for the preparation and purification of drinking water	
GOST R 51871-2002	Water treatment devices. General requirements for the performance and the methods of determining
GOST 26646-90	Units for distillation desalination landline. General technical requirements and acceptance
Metal-working machines	
GOST 12.2.048-80	Occupational safety standards system. Machine tools for sharpening saws and tree cutting flat blades. Safety
GOST 12.2.107-85	Occupational safety standards system. Noise. Machine tools. Allowable noise characteristics
GOST 7599-82	Metal-working machines. General technical conditions
GOST 30685-2000	Honing and lapping vertical. General specifications
GOST 30824-2002	Manufacturing equipment. Machine tools, metal and wood. Method of calculation and experimental determination of the probability of fire
Standard ISO 230-5-2002	Testing of machine tools. Part 5. Determination of noise characteristics
Standard EN 1550-2002	Safety of machine tools. Safety requirements for the design and construction of chuck work pieces
Standard EN 12415-2006	Safety of machine tools. lathes with numerical control machining centers and lathes
Standard EN 12417-2006	Safety of machine tools. Machining centers for machining
Standard EN 12478-2006	Safety of machine tools. Machines large lathes with numerical control machining centers and large lathes
Standard EN 12626-2006	Safety of machine tools. Laser processing machines
Standard EN 13128-2006	Safety of machine tools. Milling machines (including boring machines)
GOST 51101-97	Machine tools, metal and wood. Methods of control requirements

	Safety
GOST R EN 12717-2006 = prEN 12717-2005	Safety of machine tools. Drilling
GOST R EN 12840-2006	Safety of machine tools. lathes with manual control, equipped and not equipped with automated control
GOST R EN 12957-2007	Safety of machine tools. Machines EDM
GOST R EN 13218-2006 = prEN 13218-2005	Safety of machine tools. stationary grinding machines
GOST R EN 13788-2007	Safety of machine tools. machines, multi-spindle automatic lathes
GOST R EN 13898-2009	Safety of machine tools. Sawing for cold cutting of metals
STB EN 12348-2004	Machines for core drilling. Safety
Forming Machines (other than machines with manual and pedal-operated)	
GOST 12.2.017-93	Press-forging equipment. General requirements for safety
GOST 12.2.055-81	Occupational safety standards system. equipment for processing scrap of ferrous and non-ferrous metals. Requirements Safety
GOST 6113-84	Horizontal screw press for ceramic products. Specifications
GOST 8390-84	Electro-hydraulic presses for cutting parts. General specifications
GOST 50573-93	Forging machine. Noise characteristics and methods for their determination
GOST R 53010-2008 (EN 693:2001)	Hydraulic presses. Safety requirements
PrEN 692-2006	Mechanical press. Safety
Woodworking equipment	
GOST 12.2.026.0-93	Woodworking equipment. The requirements for the safety of construction
GOST 25223-82	Woodworking equipment. General specifications
GOST 30824-2002	Manufacturing equipment. Machine tools, metal and wood. Method of calculation and experimental determination of the probability of fire
Standard ISO 230-5-2002	Testing of machine tools. Part 5. Determination of noise characteristics
STB EN 1870-10-2007	Safety of woodworking machines. Circular saws. Part 10. Machines, automatic and semi-automatic cut-off saw with supply canvass up
STB EN 1870-11-2007	Safety of woodworking machines. Circular saws. Part 11. Machines, automatic and semi-automatic horizontal cross-cutting

	canvass(Radial-off)
STB EN 1870-12-2007	Safety of woodworking machines. Circular saws. Part 12. Machine cross-cutting pendulum
STB EN 1870-15-2007	Safety of woodworking machines. Circular saws. Part 15. Machines cross-cutting with a mechanical feed and manual loading and / or unloading
STB EN 1870-16-2007	Safety of woodworking machines. Circular saws. Part 16. Machines for double-sided miter V-shaped cut
STB EN 848-1-2004	Safety of woodworking machines. Milling machines for processing one-sided rotating tool. Part 1. Single spindle vertical milling machines
STB EN 848-2-2004	Safety of woodworking machines. Milling machines for processing one-sided rotating tool. Part 2. Single-spindle milling machine with a top location spindle and manual / mechanical feed
STB EN 848-3-2004	Safety of woodworking machines. Milling machines for processing one-sided rotating tool. Part 3. Drilling and milling machines with numerical control
PrEN 859-2003	Safety of woodworking machines. Planer-molding machines with manual feed of the material
PrEN 860-2003	Safety of woodworking machines. Planers for a one-way process
PrEN 861-2004	Safety of woodworking machines. Combined surface and planers
PrEN 940-2004	Safety of woodworking machines. Woodworkers
PrEN 1870-1-2005	Safety of woodworking machines. Circular saws. Part 1. Bench Circular
PrEN 1870-2-2006	Safety of woodworking machines. Circular saws. Part 2. Machines for horizontal and vertical cutting boards
PrEN 1870-3-2006	Safety of woodworking machines. Circular saws. Part 3. Machines for the miter above and Combined
PrEN 1870-4-2006	Safety of woodworking machines. Circular saws. Part 4. Machines slitting with manual loading and / or unloading
PrEN 1870-5-2006	Safety of woodworking machines. Circular saws. Part 5. Machine tools combined for processing and circular miter bottom
PrEN 1870-6-2006	Safety of woodworking machines. Circular saws. Part 6. Machines sawmills and sawmill combined, desktop machines with circular hand loading and / or unloading

PrEN 1870-7-2006	Safety of woodworking machines. Circular saws. Part 7. Machine tools for cutting logs with a motorized table and with manual loading / unloading or
PrEN 1870-8-2006	Safety of woodworking machines. Circular saws. Part 8. Edging machines and rack and pinion with a mechanized unit and the saw with manual loading and / or unloading
PrEN 1870-9-2007	Safety of woodworking machines. Circular saws. Part 9. Machines bilateral miter with motorized and manual loading and / or unloading
STB EN 12750-2004	Safety of woodworking machines. Machines for four-milling process
GOST 51101-97	Machine tools, metal and wood. Methods of control requirements Safety
Manufacturing equipment for the foundry industry	
GOST 12.2.046.0-2004	Technological foundry production. Safety requirements
GOST 15595-84	Foundry equipment. Injection molding pressure. General specifications
GOST 30443-97	Technological foundry production. Methods for monitoring and evaluation of safety
GOST 10580-2006	Technological foundry production. General specifications
GOST 30573-98	Foundry equipment. Installations for casting of aluminum alloys. General specifications
GOST 30647-99	Foundry equipment. Injection molding low pressure. General specifications
GOST R 53028-2008	Technological foundry production. Noise characteristics and methods of control
PrEN 710-2004	Safety requirements for foundry machines and plants for the manufacture of molds and cores and to its associated devices
Equipment for the application of metal coatings	
GOST 12.2.008-75	Occupational safety standards system. Machines and apparatus for flame treatment of metals and thermal spray coatings. Safety requirements
Equipment for friction welding, mechanical, accessories and thermal spray	
GOST 12.2.008-75	Occupational safety standards system. Machines and apparatus for flame treatment of metals and thermal spray coatings. Safety requirements
Lines and systems for mechanical engineering, flexible manufacturing system (FMS), modules flexible manufacturing (GMP), robots	
GOST 12.2.072-98	And industrial robots. Robotic technology systems. Requirements and test methods

GOST 12.2.119-88	Occupational safety standards system. Lines automatic rotor and rotor-conveyor. General requirements for safety
GOST 26053-84	And industrial robots. Acceptance rules. Methods of testing
GOST 26054-85	Industrial robots for welding. General specifications
GOST 26056-84	Industrial robots for arc welding. General specifications
GOST 26057-84	Manipulators balanced. General technical conditions
GOST 27351-87	Industrial robots aggregate-module. Executive modules. General specifications
GOST 27697-88	And industrial robots. Cyclic device, positioning and contouring software management. Technical requirements and methods of test
Hydraulic drives and hydro	
GOST 12.2.086-83	Occupational safety standards system. Hydraulic volume and lubricating systems. General safety requirements for installation, testing and operation
GOST 31177-2003 (EN 982:1996)	Safety of machinery. The requirements for the safety of hydraulic and pneumatic systems and components. Hydraulics
GOST 17108-86	Hydraulic drive volume and lubrication systems. Methods of measurement
GOST 18464-96	Hydraulic drives volume. Hydraulic cylinders. Rules of acceptance and test methods
GOST 20245-95	Hydraulic drives volume. Hydro-apparatus. Rules of acceptance and test methods
GOST 20719-83	Motors. Acceptance rules and test methods
GOST 26496-85	Accumulators. Acceptance rules and methods of test
GOST 28988-91	Volume hydraulic pipes, pneumatic and lubrication systems. Vibration characteristics, test the vibration and vibration
Actuators and pneumatics	
GOST 12.2.101-84	Occupational safety standards system. Pneumatic. General safety requirements for construction
GOST 12.3.001-85	Occupational safety standards system. Pneumatic. General safety requirements for installation, testing and operation
GOST 15608-81	Pneumatic cylinders piston. Specifications
GOST 18460-91	Pneumatic actuators. General technical requirements
GOST 19862-93	Pneumatic actuators. Methods of measurement

GOST 28988-91	Hydraulic drives volumetric, pneumatic and lubrication systems. Vibration characteristics, test the vibration and vibration
GOST 29014-91	Pneumatic actuators. Common test methods
GOST 30156-95 (ISO 6953-1-90)	Pneumatic actuators. Pneumatic pressure-reducing valves. General technical requirements and test methods
GOST 30869-2003 (EN 983:1996)	Safety of machinery. The requirements for the safety of hydraulic and pneumatic systems and components. Pneumatics
Gear reducers and gear motors WMD	
GOST 25484-93	Gear-motors. General technical conditions
GOST 26546-85	Variable speed chain. General specifications
GOST 27871-88	Gears for general use. Methods for determination of the sound power level
GOST 50891-96	Gearboxes engineering application. General specifications
GOST 50968-96	Geared motors. General specifications
Chain drive, traction and cargo plate	
GOST 191-82	Cargo chains plate. Specifications
GOST 588-81	Chain traction plate. Specifications
GOST 589-85	Traction circuits are folding. Specifications
GOST 12996-90	Chains, hauling, forked. Specifications
GOST 13552-81	Chains, cogged. Specifications
GOST 13568-97 (ISO 606-94)	Transmission roller chains and bush. General specifications
GOST 21834-87	Driving roller chain increased strength and accuracy. Specifications
GOST 23540-79	Cargo chains plate with sealed rollers. Specification
GOST 30442-97 (ISO 9633-92)	Transmission roller chains for bicycles. Specification
All-terrain vehicles, snowmobiles carrying up to 1,000 kg and their trailers	
GOST 50943-96	All-terrain vehicles. Safety requirements
GOST 50944-96	Snowmobiles. Safety requirements
GOST R 52008-2003	Tools motor transport ATV off-road. General technical requirements
Forklifts	
GOST 16215-80	Forklift trucks for general use. General specifications
Bicycles (except for children)	
GOST 5503-94	Bicycles. General specifications
GOST 29096-91 (ISO 4210-89)	Bicycles. Safety requirements for two-wheeled bicycle

GOST R 52111-2003	Bicycles. General specifications
Garage equipment for motor vehicles and trailers	
GOST 22859-77	Hydraulic hoists. General specifications
PrEN 1494-2005	Mobile or movable jacks and referring to them lifting equipment
GOST 51151-98	Garage equipment. Safety requirements and methods of control
Agricultural machines	
GOST 12.2.002-91	Occupational safety standards system. Engineering Agriculture. Methods for assessing safety
GOST 12.2.002.3-91	Occupational safety standards system. Agricultural and forestry transport facilities. Determination of braking performance
GOST 12.2.002.4-91	Occupational safety standards system. Tractors and self-propelled agricultural machines. The method of determining the visibility from the workplace of the operator
GOST 12.2.002.5-91	Occupational safety standards system. Tractors and self-propelled agricultural machines. The method of determining the characteristics of heating systems and climate on the operator in the cold season
GOST 12.2.002.6-91	Occupational safety standards system. Tractors and self-propelled agricultural machines. The method of determining the tightness of cabins
GOST 12.4.095-80	Occupational safety standards system. Machinery, agricultural self. Methods for determining the vibration and noise characteristics
GOST 17.2.2.02-98	The Nature Conservancy. Atmosphere. Limits and methods of determining the opacity of the exhaust gases of diesel engines, tractors and self-propelled agricultural machines
GOST 17.2.2.05-97	The Nature Conservancy. Atmosphere. Limits and methods of determining emissions of harmful substances from exhaust gases of diesel engines, tractors and self-propelled agricultural machines
GOST 6939-93	Plows and shrub swamp bog. General specifications
GOST 7496-93	Machines beet. General technical conditions
GOST 23074-85	Machines for applying liquid organic fertilizers. General specifications
GOST 23173-96	Hand trucks horticultural. Technical conditions
GOST 23982-85	Machines for applying solid organic fertilizers. General specifications
GOST 26025-83	Machinery and tractors for agriculture and forestry. Measurement methods of design parameters

GOST 27310-87	Potato harvesters. General technical conditions
GOST 28286-89	Agricultural machines. Loaders. Methods of testing
GOST 28287-89	Machinery for agriculture and forestry. Press- sorters. Test methods
GOST 28301-2007	Harvesters. Test methods
GOST 28306-89	Machine for planting potatoes. Test methods
GOST 28713-90	Machinery and tractors for agriculture and forestry. Machines for harvesting potatoes. Test methods
GOST 28714-2007	Machines for solid mineral fertilizers. Test methods
GOST 28717-90	Machinery for agriculture and forestry. The dryer drum. Test methods
GOST 28718-90	Machinery for agriculture and forestry. Machines for solid organic fertilizers. Methods of testing
GOST 28722-90	Machinery for agriculture and forestry. Mower- Conditioners. Test methods
GOST 30879-2003 (ISO 3795:1989)	Road vehicles, tractors and machines for agriculture and forestry. Determination of burning behavior of materials trim
GOST 31323-2006	Vibration. Defining the parameters of vibration characteristics of self-propelled machines. Tractors agricultural machinery wheeled and field work
GOST 31343-2007	Machinery and equipment for processing and decontamination of liquid manure. Test methods
GOST 31344-2007	Machinery and equipment for manure removal. Test Methods
GOST 31345-2007	Tractor seeders. Test methods
GOST 31346-2007	Installations for the processing of the litter. Methods of testing
Standard EN 704-2004	Agricultural machines. Pick-up. Safety
Standard EN 708-2004	Agricultural machines. Machines with mechanized tillage working bodies. Safety requirements
Standard EN 745-2004	Agricultural machines. Rotary mowers and mulchers rotor. Requirements Safety
Standard EN 908-2004	Machinery for agriculture and forestry. Sprinkling a drum machine type. Safety requirements
Standard ISO 5691-2004	Equipment footprint. Machine for planting potatoes. Testing method
Standard ISO 11449-2002	Cultivators milling, controlled walking near the operator. Safety requirements and methods of test
GOST ISO 14269-2-2003	Tractors and self-propelled machinery for agriculture and forestry. Environment operator position. Part 2. The test method and the

	characteristics of the systems of heating, ventilation and air conditioning
GOST ISO 14269-3-2003	Tractors and self-propelled machinery for agriculture and forestry. Environment operator position. Part 3. Determination of the effects of solar heating
GOST ISO 14269-4-2003	Tractors and self-propelled machinery for agriculture and forestry. Environment operator position. Part 4. Methods of testing the filter element
GOST ISO 14269-5-2003	Tractors and self-propelled machinery for agriculture and forestry. Environment operator position. Part 5. Method of testing of the containment system
GOST R 52757-2007	Machines beet. Test methods
GOST R 52758-2007	Crane and transport agricultural purposes. Test methods
GOST R 52759-2007	Machines for applying solid organic fertilizers. Test methods
GOST R 53053-2008	Plant protection. Sprayers. Test Methods
GOST R 53055-2008	Agricultural and forestry machines with electric drive. General requirements for safety
STB 1679-2006	Inter-row cultivators for soil tillage. General specifications
STB EN 14017-2009	Machinery for agriculture and forestry. Machines for solid mineral fertilizers. Safety requirements
STB EN 14018-2009	Machinery for agriculture and forestry. Sowing the rank and file. Requirements Safety
STB ISO 5674-2009	Tractors and machinery for agriculture and forestry. Protective housings drive shafts for the drive shaft from the PTO (PTO). Tests for strength and wear and the criteria for acceptance
STB ISO 15077-2010	Tractors and self-propelled machinery, agricultural. Controls operator. Actuation force, displacement, location and method of administration
PrEN 707-2006	Agricultural machines. Machines for applying liquid fertilizers. Safety requirements
PrEN 1853-2006	Agricultural machines. Trailers Dump. Safety requirements
STB EN 12525-2007	Agricultural machines. Equipment frontal loading. Safety requirements
STB EN 12965-2007	Tractors and machinery for agriculture and forestry. PTO shafts (PTO) drive shafts and guards. Requirements Safety
STB EN 13118-2006	Agricultural machines. Machines for harvesting potatoes. Safety requirements
STB EN 13140-2006	Agricultural machines. Machines for cleaning sugar and fodder beet. Requirements Safety
STB EN 13448-2007	Machinery for agriculture and forestry. Inter-row

	mowing. Requirements Safety
Machines for livestock, poultry and feed	
GOST 12.2.042-91	Occupational safety standards system. Machines and technical equipment for livestock and fodder production. General requirements for safety
GOST 23708-84	Complete sets of equipment for the outdoor cultivation and poultry. General specifications
STB EN 703-2010	Agricultural machines. Machines for loading, mixing and / or grinding and distribution of silage. Safety requirements
Engines for tractors and agricultural machinery	
GOST 20000-88	Diesel tractor and combine. General specifications
GOST R 52914-2008	Engines tractor and combine. Vibro-acoustic indicators and test methods
Machines for earthwork and reclamation works	
GOST 12.1.049-86	Occupational safety standards system. Vibration. Methods for measuring workplace self-propelled wheeled road construction machinery
GOST 12.2.130-91	Occupational safety standards system. Shovels. General requirements for safety and ergonomics in the workplace driver and methods for their control
GOST 11030-93	Graders. General specifications
GOST 16469-79	Backhoe canal diggers. General technical conditions
GOST 23987-80	Backhoe canal diggers. Test methods
GOST 26980-95	Shovels. General technical conditions
GOST 30035-93	Scrapers. General specifications
GOST 30067-93	Shovels, universal full-circle. General specifications
GOST 30688-2000 (ISO 8643-97)	Earth-moving machinery. Hydraulic excavators and backhoes loaders. The device limits the speed of lowering the boom. Requirements and test methods
Standard ISO 3450-2002	Earth-moving machinery. Brakes wheeled vehicles. Performance requirements and methods of testing
GOST ISO 5006-1-2000	Earth-moving machinery. Visibility from the workstation operator. Part 1. Testing method
GOST ISO 5006-2-2000	Earth-moving machinery. Visibility from the workstation operator. Part 2. Valuation method
GOST ISO 10263-2-2000	Earth-moving machinery. Environment worker's seat. Part 2. Tests of the air filter
GOST ISO 10263-3-2000	Earth-moving machinery. Environment worker's seat. Part 3. The method of determining the

	tightness of the enclosure
GOST ISO 10263-4-2000	Earth-moving machinery. Environment worker's seat. Part 4. Method of test systems, ventilation, heating and (or) air
GOST ISO 10263-5-2000	Earth-moving machinery. Environment worker's seat. Part 5. Test Method defrost the windshield
GOST ISO 10263-6-2000	Earth-moving machinery. Environment worker's seat. Part 6. Determination of the effects of solar radiation on the cab operator
Standard ISO 10265-2000	Earth-moving machinery. Tracked vehicles. Performance requirements and test methods for brake systems
GOST R ISO 3449-2009	Earth-moving machinery. Protection devices falling objects. Laboratory tests and technical requirements
GOST R ISO 3471-2009 (01.01.2011)	Earth-moving machinery. Protection devices rollover. Technical requirements and laboratory testing
GOST R ISO 5010-2009	Earth-moving machinery. Steering wheel machines
GOST R ISO 12117-2009	Earth-moving machinery. Protection devices rollover (TOPS) for mini-excavators. Laboratory tests and technical requirements
STB EN 12643-2007	Earth-moving machinery. Pneumatic machines. Technical requirements for steering control
STB EN 474-1-2003	Earth-moving machinery. Safety. Part 1. General requirements
STB EN 474-2-2003	Earth-moving machinery. Safety. Part 2. Requirements for bulldozers
STB EN 474-3-2003	Earth-moving machinery. Safety. Part 3. Requirements for loaders
STB EN 474-4-2003	Earth-moving machinery. Safety. Part 4. Requirements for backhoe loaders
STB EN 474-5-2003	Earth-moving machinery. Safety. Part 5. Requirements for hydraulic excavators
STB EN 474-6-2003	Earth-moving machinery. Safety. Part 6. Requirements earth transporter
STB EN 474-7-2003	Earth-moving machinery. Safety. Part 7. requirements Scrapers
STB EN 474-8-2004	Earth-moving machinery. Safety. Part 8. Requirements for graders
PrEN 474-10-2004	Earth-moving machinery. Safety. Part 10. Requirements for trenchers
PrEN 474-11-2004	Earth-moving machinery. Safety. Part 11. Requirements for sealing machines

STB ISO 7096-2006	Earth-moving machinery. Laboratory evaluation of vibration transmitted to the operator's seat
STB ISO 6683-2006	Earth-moving machinery. Seat belts and places of attachment. Technical requirements and methods of test
GOST R 52148-2003	Skid Steer small. General specifications
Road Machinery and equipment for the preparation of mortars	
GOST 16349-85	Mixers for the cyclical construction materials. Specification
GOST 27336-93	Concrete Pump. General specifications
GOST 27338-93	Concrete mixing plants mechanized. General specifications
GOST 27339-93	Concrete trucks. General specifications
GOST 27598-94	Self-propelled vibratory road rollers. General specifications
GOST 27614-93	Cement trucks. General specifications
GOST 27811-95	Pavers. General specifications
GOST 27816-88	Pavers. Test methods
GOST 21915-93	Pavers. General specifications
GOST 27945-95	Asphalt installation. General specifications
STB EN 536-2007	Road-building machinery. Install asphalt. Safety requirements
STB EN 13020-2008	Machines for the application, repair and maintenance of road surfaces. Safety requirements
STB EN 500-1-2003	Road mobile machinery. Safety. Part 1. General requirements
STB EN 500-2-2004	Road mobile machinery. Safety. Part 2. Special requirements for road milling machine
STB EN 500-4-2004	Road mobile machinery. Safety. Part 4. Special requirements for machines for compacting soil
STB EN 13019-2006	Machines for cleaning pavements. Requirements Safety
STB EN 13021-2006	Machines for winter road maintenance. Requirements Safety
STB EN 13524-2007	Machines for road maintenance. Safety
GOST R 51666-2000	Cold planers self. General specifications
GOST R 52156-2003	Self-propelled road rollers. General technical conditions
GOST R 51922-2002	Vibrating plate sealing. General specifications

Equipment and machinery construction	
GOST 12.2.013.3-2002 (IEC 60745-2-3:1984)	Hand-held electric machines. Particular requirements and test methods of grinding, circular grinding and polishing machines with a rotary motion of the working tool
GOST 12.2.030-2000	Occupational safety standards system. Machine manual. Noise characteristics. The norm. Methods of testing
GOST 10037-83	Autoclaves for the construction industry. Specification
GOST 10084-73	Hand-held electric machines. General technical conditions
GOST 12633-90	Machine hand, pneumatic rotary action. General specifications
GOST 16519-2006 (ISO 20643:2005)	Vibration. Defining the parameters of vibration characteristics of hand-held machines and machines with manual control. General requirements
GOST 17770-86	Machine manual. Requirements for vibration characteristics
GOST 12633-90	Machine hand, pneumatic rotary action. General specifications
GOST 27336-93	Concrete Pump. General specifications
GOST 27338-93	Concrete mixing plants mechanized. General specifications
GOST 27339-93	Concrete trucks. General specifications
GOST 27614-93	Cement trucks. General specifications
GOST 29168-91	Mast Lifts cargo building. Specifications
GOST 30505-97 (IEC 745-2-15-84)	Hand-held electric machines. Particular requirements and test methods for machines trimming hedges and mowing lawns
GOST 30699-2001 (IEC 745-2-17-89)	Hand-held electric machines. Particular requirements and test methods of milling machines and machines for edges
GOST 30700-2000 (IEC 745-2-7-89)	Hand-held electric machines. Particular requirements and test methods submachine guns flammable liquids
GOST 30701-2001 (IEC 745-2-16-93)	Hand-held electric machines. Particular requirements and test methods staple machines
GOST 30873.2-2006 (ISO 8662-2:1992)	Manual machines. Vibration measurements on the handle. Part 2. Chipping hammers and riveting
GOST 30873.3-2006 (ISO 8662-3:1992)	Manual machines. Vibration measurements on the handle. Part 3. Hammers and hammer drills
GOST 30873.4-2006 (ISO 8662-4:1994)	Manual machines. Vibration measurements on the handle. Part 4. Grinding machines

GOST 30873.5-2006 (ISO 8662-5:1992)	Manual machines. Measurement of vibrations at the handle. Part 5. Breakers and hammers for construction work
GOST 30873.6-2006 (ISO 8662-6:1994)	Manual machines. Measurement of vibrations at the handle. Part 6. Machines boring rotary impact
GOST 30873.7-2006 (ISO 8662-7:1997)	Manual machines. Measurement of vibrations at the handle. Part 7. Wrenches, screwdrivers and spanners shock, pulse and ratchet
GOST 30873.8-2006 (ISO 8662-8:1997)	Manual machines. Measurement of vibrations at the handle. Part 8. Polishing machines, cylindrical grinding, sanding and orbital orbital and rotational sanding
GOST 30873.9-2006 (ISO 8662-9:1996)	Manual machines. Measurement of vibrations at the handle. Part 9. Fuelling
30873.10-2006 Standard (ISO 8662-10:1998)	Manual machines. Measurement of vibrations at the handle. Part 10. Scissors cutting and knife
30873.11-2006 Standard (ISO 8662-11:1999)	Manual machines. Vibration measurements on the handle. Part 11. Machines for driving fasteners
30873.12-2006 Standard (ISO 8662-12:1997)	Manual machines. Vibration measurements on the handle. Part 12. Reciprocating saws, circular and pendulum and nail files back-and- forth action
30873.13-2006 Standard (ISO 8662-13:1997)	Manual machines. Measurement of vibrations at the handle. Part 13. Grinding machines for processing dies
30873.14-2006 Standard (ISO 8662-14:1996)	Manual machines. Vibration measurements on the handle. Part 14. Tools for stone and hammers stripping Beam
GOST 31325-2006 (ISO 4872:1978)	Noise. Measurement of noise of construction equipment, operating under the open sky. The method of establishing compliance with the noise
GOST 31337-2006 (ISO 15744:2002)	The noise of cars. Non-electric hand-held machine. Technical method for measuring noise
GOST IEC 61029-1-2002	Portable electric cars. General safety requirements and test methods
GOST IEC 1029-2-4-2002	Portable electric cars. Private security requirements and test methods desktop grinders
GOST IEC 1029-2-6-2002	Portable electric cars. Private security requirements and test methods for machines for drilling with diamond drills with water supply
GOST IEC 1029-2-7-2002	Portable electric cars. Private security requirements and test methods for diamond saws with water supply
GOST IEC 1029-2-8-2002	Portable electric cars. Private security requirements and test methods for single spindle vertical milling-model cars

GOST IEC 1029-2-9-2002	Portable electric cars. Private security requirements and test methods for miter saws
GOST 50615-93 (IEC 745-2-12-82)	Hand-held electric machines. Particular requirements and test methods of deep vibrators
GOST 50637-94 (IEC 745-2-9-84)	Hand-held electric machines. Particular requirements and test methods threading machines for internal threads
GOST 50950-96	Construction front loaders with telescopic boom. General technical conditions
GOST 51041-97	Pile driving hammers. General specifications
GOST 51363-99	The vibrators and pile hammer. General specifications
GOST R 51601-2000	Construction shovels loaders. General specifications
GOST R 51602-2000	Copra for piling work. General technical conditions
GOST R 51803-2001	Construction mobile belt conveyors. General specifications
GOST R 53569-2009 (EN 12549:1999)	The noise of cars. The tests on the noise of cars for driving fasteners. Engineering method
IEC 1029-2-1-95	Portable electric cars. Private security requirements and test methods for circular saws
IEC 1029-2-2-95	Portable electric cars. Private security requirements and test methods for radial arm saws
IEC 1029-2-3-96	Portable electric cars. Private security requirements and test methods for planing and thickening machines
IEC 1029-2-5-96	Portable electric cars. Private security requirements and test methods for band saws
IEC 60745-1-2009 (01.01.2011)	Hand-held electric machines. Safety and test methods. Part 1. General requirements
IEC 60745-2-1 - 2006 = STB IEC 60745-2-1-2006	Hand-held electric machines. Safety and test methods. Part 2-1. Particular requirements for drilling and hammer drilling machines
IEC 60745-2-4-2008	Hand-held electric machines. Safety and test methods. Part 2-4. Particular requirements for surface grinding and belt grinding machines
IEC 60745-2-5 - 2007 = STB IEC 60745-2-5-2006	Hand-held electric machines. Safety and test methods. Part 2-5. Particular requirements for circular saws
IEC 60745-2-6 - 2007	Hand-held electric machines. Safety and test methods. Part 2-6. Particular requirements for hammers and hammer drills
IEC 60745-2-8 -	Hand-held electric machines. Safety and

2009 (01.01.2011)	test methods. Part 2-8. Particular requirements for sheet metal shears
IEC 60745-2-11 - 2008	Hand-held electric machines. Safety and test methods. Part 2-11. Particular requirements for saws with a reciprocating working tools (jigsaw and a saw)
IEC 60745-2-14 - 2007	Hand-held electric machines. Safety and test methods. Part 2-14. Particular requirements for planers
STB 1208-2000	Construction and finishing machines. General requirements for safety. Test methods
STB EN 12158-1-2008	Construction hoists cargo. Part 1. Hoists with accessible platform
STB EN 12158-2-2008	Construction hoists cargo. Part 2. Inclined hoists with inaccessible Forklift
STB EN 12159-2010	Construction hoists cargo with the vertical movement of the cab
STB EN 792-1-2007	Non-electric hand-held machine. The requirements of security. Part 1. Machines for fixing parts without thread
STB EN 792-2-2007	Non-electric hand-held machine. The requirements of security. Part 2. Cutting and crimping machine
STB EN 792-3-2007	Non-electric hand-held machine. The requirements of security. Part 3. Machines for drilling and tapping
STB EN 792-4-2006	Non-electric hand-held machine. The requirements of security. Part 4. Machine drums
STB EN 792-5-2006	Non-electric hand-held machine. The requirements of security. Part 5. Machines shock- rotational
STB EN 792-6-2006	Non-electric hand-held machine. The requirements of security. Part 6. Machines Rib bending machine
STB EN 792-7-2007	Non-electric hand-held machine. The requirements of security. Part 7. Grinding machines
STB EN 792-8-2007	Non-electric hand-held machine. The requirements of security. Part 8. Machine polishing and grinding
STB EN 792-9-2007	Non-electric hand-held machine. The requirements of security. Part 9. Grinding Machines
PrEN 792-10-2007	Non-electric hand-held machine. The requirements of security. Part 10. Clinching machine
PrEN 792-11-2007	Non-electric hand-held machine. The requirements of security. Part 11. Scissors and cutting scissors
PrEN 792-12-2007	Non-electric hand-held machine. The requirements of security. Part 12. Saw compact disc and oscillating back-and- forth action
PrEN 792-13-2007	Non-electric hand-held machine. The requirements of security. Part 13. Machines for driving fasteners
STB IEC 60745-2-2-2006	Hand tools, electromechanical. safety. Part 2-2. Additional requirements for screwdrivers and impact wrenches, rotary action

STB EN 12001-2008	Machines for the transport, use and distribution of concrete and mortar. Safety
Equipment for construction materials	
GOST 12.2.100-97	Machinery and equipment for the production of clay and sand-lime brick, ceramic and asbestos cement products. General requirements for safety
GOST 7090-72	Crushers single-rotor. Technical conditions
GOST 9231-80	Twin shaft paddle mixers. Technical conditions
GOST 12367-85	Tube mill grinding machines. General specifications
GOST 12375-70	Crushers single primary crushing. Specification
GOST 12376-71	Crushers single-rotor for secondary and fine crushing. Specifications
GOST 27412-93	Jaw. General specifications
GOST 27636-95	Hardware stone mining and stone processing. General specifications
GOST 30540-97	Equipment for the production of aerated concrete. General requirements and methods of control
GOST 27636-95	Hardware stone mining and stone processing. General specifications
GOST 28122-95	Machines Natural Stone grinding and polishing. General technical requirements and methods of control
GOST 28541-95	Stone working machines. General technical requirements and methods of control
GOST 30369-96	Stone working machines. General technical requirements and methods of control
Technological equipment for logging, log storage and timber rafting	
GOST 12.2.102-89	Occupational safety standards system. Machinery and equipment and timber forest alloy, Tractors for timber industry. Demands security, control methods requirements of security and safety assessment
GOST 12.2.104-84	Occupational safety standards system. mechanized tool for logging. General requirements for safety
GOST 15594-80	Loggers tracked jaw change-over type. Specifications
GOST 30411-2001 (ISO 6535-91)	Machinery for forestry. Saws gasoline-powered chain. The chain brake. Test Methods
GOST 30506-97 (IEC 745-2-13-89)	Hand-held electric machines. Particular requirements and test methods of chain saws
GOST 30723-2001 (ISO 6533-93, ISO 6534-92)	Machinery for forestry. Saws gasoline-powered chain. Protective devices front and rear handles. The size and strength of
GOST 30725-2001 (ISO 7915-91)	Machinery for forestry. Saws gasoline-powered chain. Determination of strength of arms
GOST 31183-2002	Machinery for forestry. Bush cutters and gasoline-powered trimmers.

(ISO 11806:1997)	The requirements of security. Test methods
GOST 31184-2002 (ISO 9518:1998)	Machinery for forestry. Chainsaws portable. Methods of test for rebound
GOST 31348-2007 (ISO 22867:2004)	Manual machines. Measurement of vibrations at the handle. Forestry machinery gasoline-
Standard ISO 7917-2002	Machinery for forestry. Brush cutters gasoline-powered. Methods of testing the sound pressure
Standard ISO 8380-2002	Machinery for forestry. Bush cutters and gasoline-powered trimmers. Methods of testing protective device cutting device on the strength of
Standard ISO 10884-2002	Machinery for forestry. Bush cutters and gasoline-powered trimmers. Test methods acoustic power
Standard IEC 60335-2-77 - 2002	Safety of household and similar electrical appliances. Additional requirements for manually operated lawn mowers and methods of test
GOST 50060-98	Chainsaws chain. The requirements of security. Test methods
GOST R 51754-2001	Machinery and equipment for the lower timber depots. The requirements of security. Methods of control
GOST R 51862-2002	Harvesting machinery, tractors, forest industry and forestry. Methods for monitoring the safety requirements
GOST R 52291-2004	Forklifts forest. Equipment operating manipulator type. General specifications
GOST R 53051-2008	Machines and tools for digging and hauling of seedlings and saplings in nurseries. Test methods
GOST R 53052-2008	Machines and tools for the preparation of cuttings to the production of silviculture. Methods of testing
GOST R ISO 8082-2005 = STB ISO 8082-2004	Self-propelled machinery for wood. Protection devices rollover. Technical requirements and test methods
GOST R ISO 8083-2008	Self-propelled machinery for wood. Protection devices falling objects. Technical requirements and test methods
GOST R ISO 8084-2005	Machines for wood. Device protecting the operator. Requirements and test methods
GOST R ISO 11169-2000 = STB ISO 11169-2001	Tractors for timber industry and forestry wheeled machine harvesting and silvicultural wheel. Requirements and test methods performance brake systems
GOST R ISO 11448-2002	Shredders and crushers, mobile self- drive. Safety requirements and methods of test
GOST R ISO 11512-2000 = STB ISO 11512-2001	Tractors for timber industry and forestry crawler machine logging and forestry crawler. Requirements and test methods performance brake systems

GOST R ISO 22868-2007	The noise of cars. The tests on the noise of portable gasoline-powered hand-held forestry machines technical method
STB EN 609-1-2007	Machinery for agriculture and forestry. Safety of machinery. Part 1. Machine -splitting wedge
STB EN 609-2-2007	Machinery for agriculture and forestry. Safety of machinery. Part 2. Machine screw-splitting
STB EN 13525-2007	Machinery for forestry. Machines for wood cutting. Safety requirements
Machines for municipal services (work equipment)	
STB EN 1501-1-2007	Garbage. General technical requirements and security requirements. Part 1. Garbage trucks with rear loading
STB EN 1501-2-2008	Garbage. General technical requirements and security requirements. Part 2. Garbage trucks with side-loading
GOST 23080-78	Rotary snow plows. Acceptance rules and test methods
Laundry equipment industry type	
GOST 27457-93	Industrial washing machines. General specifications
Equipment for dry-cleaning and dyeing apparel and household goods	
GOST 51361-99 (ISO 8232-88)	Closed-loop machine for dry cleaning clothes. Test methods
Industrial fans	
GOST 5976-90	Radial Fans for general purposes. General specifications
GOST 9725-82	Fans centrifugal blasting boiler rooms. General specifications
GOST 6625-85	Fans of local ventilation shaft. Specification
GOST 11004-84	Fans of the main ventilation shaft. Specification
GOST 11442-90	Axial Fans for general purposes. General specifications
GOST 24814-81	Fans for roof groove. General specifications
GOST 24857-81	Axial Fans for roof. General technical conditions
GOST 31351-2007 (ISO 14695:2003)	Vibration. Industrial fans. Measurements of vibration
GOST 31352-2007 (ISO 5136:2003)	The noise of cars. Determination of sound power radiated into a duct or other air moving devices, the method of measuring air
GOST 31353.1-2007 (ISO 13347-1:2004)	The noise of cars. Industrial fans. Determination of the sound power level in laboratory conditions. Part 1. General characteristics of the methods
GOST 31353.2-2007 (ISO 13347-2:2004)	The noise of cars. Industrial fans. Determination of the sound power level in laboratory conditions. Part 2. Reverberation method

GOST 31353.3-2007 (ISO 13347-3:2004)	The noise of cars. Industrial fans. Determination of the sound power level in laboratory conditions. Part 3. The method of covering the surface of the
GOST 31353.4-2007 (ISO 13347-4:2004)	The noise of cars. Industrial fans. Determination of the sound power level in laboratory conditions. Part 4. The method of sound rate meter
Industrial air conditioners	
GOST 30646-99	Central air conditioners for general use. General specifications
Standard IEC 60335-2-40 - 2010	Household and similar electrical appliances. Safety. Part 2-40. Additional requirements for electrical heat pumps, air-conditioners and dehumidifiers
GOST R 52894.1-2007 (ISO 13261-1:1998)	The noise of cars. Evaluation sound power air conditioners and heat pumps. Part 1. Equipment outside without air
GOST R 52894.2-2007 (ISO 13261-2:1998)	The noise of cars. Evaluation sound power air conditioners and heat pumps. Part 2. Equipment without internal air
STB EN 14511-2-2009	Air conditioners, liquid cooling units and heat pumps with electric compressors for space heating and cooling. Part 2. Measuring
STB EN 14511-3-2009	Air conditioners, liquid cooling units and heat pumps with electric compressors for space heating and cooling. Part 3. Test Methods
Air heaters and air	
GOST 26548-85	Heaters. Test methods
GOST 31284-2004	Air heaters for industrial and agricultural enterprises. General specifications
Steam and water heaters	
GOST 28679-90	Heaters steam heating systems. General specifications
GOST 28757-90	Heaters for steam recovery systems turbine power plants. General specifications
Technological equipment for light industry (excluding spare parts)	
GOST 12.2.138-97	Occupational safety standards system. Machine sewing industry. Safety requirements and test methods
GOST 6737-80	Tape machine for cotton and chemical fibers. General specifications
GOST 9193-77	Warping machine. Specifications
GOST 12167-82	Shuttleless weaving machines with small plotters duck. General specifications
GOST 19716-81	Pneumatic rapier automatic weaving machines. General specifications
GOST 24824-88	Ironing presses. The main dimensions, performance requirements and

	test methods
GOST 27295-87	Circular knitting machine. Technical requirements and test methods
GOST 31180-2002 (ISO 8232:1988)	Closed-loop machine for dry cleaning clothes. Test methods
STB 1357-2002	Industrial sewing machines. General technical conditions
GOST R 52990.1-2008 (ISO 9902-1:2001)	The noise of cars. Textile machinery. Tests of the noise. Part 1. General requirements
Technological equipment for the textile industry	
GOST 12.2.138-97	Occupational safety standards system. Machine sewing industry. Safety requirements and test methods
GOST 6737-80	Tape machine for cotton and chemical fibers. General specifications
GOST 9193-77	Warping machine. Specifications
GOST 12167-82	Shuttleless weaving machines with small plotters duck. General specifications
GOST 19716-81	Pneumatic rapier automatic weaving machines. General specifications
GOST R 52990.1-2008 (ISO 9902-1:2001)	The noise of cars. Textile machinery. Tests of the noise. Part 1. General requirements
Technological equipment for the production of chemical fibers, glass fibers and asbestos fibers	
GOST 6737-80	Tape machine for cotton and chemical fibers. General specifications
Manufacturing equipment for the food, dairy and fish industry	
GOST 12.2.124-90	Occupational safety standards system. equipment food. General requirements for safety
GOST 3347-91	Centrifugal pumps for liquid dairy products. General specifications
GOST 18518-80	Machines for the packing of bulk food products in paper and paperboard consumer packaging. General specifications
GOST 20258-95	Washing machines for glass containers. General technical requirements and test methods
GOST 21253-75	Automatic filling and dosing and filling for liquid food products. Specification
GOST 24885-91	Liquid centrifugal separators. General specifications
GOST 26582-85	Machinery and equipment, food. General specifications
GOST 28107-89	Machines for mixing stuffing. The basic parameters, technical requirements and methods of test
GOST 29065-91	Containers for milk and dairy products. General specifications

GOST 30146-95	Machinery and equipment for the production of sausage products and meat products. General specifications
GOST 30150-96	Automatic labellers. General technical requirements and test methods
GOST 30316-95	Lines and equipment for packaging liquid food products in glass bottles. General specifications
GOST R 53140-2008 (EN 12043:2000)	Machinery and equipment for the food industry. Cabinets for proofing. Specification
GOST R 53473-2009 (EN 12041:2000)	Machinery and equipment for the food industry. Raw bread machine. Specification
GOST R 53474-2009 (EN 12268:2003)	Machinery and equipment for the food industry. Band saws. Technical conditions
GOST R 53475-2009 (EN 12267:2003)	Machinery and equipment for the food industry. Circular saws. Technical conditions
GOST R 53476-2009 (EN 13871:2005)	Machinery and equipment for the food industry. Machines for cutting meat. Specification
GOST R 53477-2009 (EN 1674:2000)	Machinery and equipment for the food industry. Raw bread machine. Specification
GOST R 53478-2009 (EN 453:2000)	Machinery and equipment for the food industry. Kneading machines. Specification
STB EN 1672-2-2008	Equipment for the processing of food products. basic principles. Part 2. Hygiene requirements
STB EN 1678-2008	Machines for food processing. Machines vegetable cutting universal. The requirements of safety and hygiene
STB EN 12463-2010	Equipment for the processing of food products. Filling machines and ancillary equipment. Safety and hygiene requirements
STB EN 12852-2009	Equipment for the processing of food products. food processors and blenders. The requirements of safety and hygiene
STB EN 12855-2008	Equipment for the processing of food products. Cutters with rotating bowl. The requirements of safety and hygiene
STB EN 13951-2009	Equipment food and agriculture. Pumps for supplying the liquid products. Safety requirements and rules of construction
PrEN 453-2004	Machines for food processing. Machines Dough. Requirements for safety and hygiene
PrEN 454-2004	Machines for food processing. Mixers Planetary. Safety and hygiene requirements
STB EN 12853-2007	Machines for food processing. Blenders and hand beater. Requirements for safety

	and hygiene
STB EN 12854-2007	Machines for food processing. Mixers balancer. Safety and hygiene requirements
Technological equipment for milling, feed mill and grain elevator industry, fertilizer industry and poisonous chemicals	
GOST 12.2.124-90	Occupational safety standards system. Equipment food. General requirements for safety
GOST 18518-80	Machines for the packing of bulk food products in paper and paperboard consumer packaging. General specifications
GOST 26582-85	Machinery and equipment, food. General specifications
GOST 27962-88	Technological equipment for milling enterprises. General specifications
Technological equipment for trade, public catering and nutrition units	
GOST 12.2.092-94	Occupational safety standards system. Electromechanical equipment and electrical heating for businesses catering. General technical requirements and test methods
GOST 14227-97	Dishwashers. General specifications
GOST 27440-87	Apparatus for dispensing chilled beverages for catering. Types, requirements and test methods
GOST 22502-89	Condensing unit with hermetic refrigeration compressors for commercial refrigeration equipment. General specifications
GOST 23833-95	Commercial refrigeration equipment. General specifications
GOST 27440-87	Apparatus for dispensing chilled beverages for catering. Types, requirements and test methods
GOST 27570.0-87	Safety of household and similar electrical appliances. General requirements and test methods
27570.34-92 Standard (IEC 335-2-36-86)	Safety of household and similar electrical appliances. Particular requirements for electric cooking ranges, ovens and burners for catering
27570.36-92 Standard (IEC 335-2-38-86)	Safety of household and similar electrical appliances. Particular requirements for electrical apparatus contact handling products with one and two heating surfaces for businesses catering
27570.41-92 Standard (IEC 335-2-48-88)	Safety of household and similar electrical appliances. Particular requirements for commercial electric grillers and toasters for public supply
27570.42-92 Standard (IEC 335-2-49-88)	Safety of household and similar electrical appliances. Particular requirements for electrical equipment model for public supply
27570.43-92 Standard (IEC 335-2-50-89)	Safety of household and similar electrical appliances. Particular requirements for electric warmers for catering
27570.51-95 Standard (IEC 335-2-62-90)	Safety of household and similar electrical appliances. Particular requirements for rinsing baths with electric heating for

	businesses catering
27570.52-95 Standard (IEC 335-2-63-91)	Safety of household and similar electrical appliances. Particular requirements for electric immersion heaters and electric water heaters for liquids businesses catering
27570.53-95 Standard (IEC 335-2-64-91)	Safety of household and similar electrical appliances. Particular requirements for commercial electric kitchen machines for public supply
GOST 27684-88	Electric warmers for businesses catering. General technical requirements and test methods
GOST 30405-96	Separators household. Safety requirements and test methods
GOST 30406-96	Churn household. Safety requirements and test methods
GOST 50704-94	Household devices kitchen with manual transmission. Safety requirements and test methods
GOST 51366-99 (IEC 60335-2-39-94)	Safety of household and similar electrical appliances. Particular requirements for electric universal pan for businesses catering
GOST 51367-99 (IEC 60335-2-42-94)	Safety of household and similar electrical appliances. Particular requirements for electric cabinet with forced air circulation, aids and steamer- convection ovens for businesses catering
GOST 51373-99 (IEC 60335-2-47-95)	Safety of household and similar electrical appliances. Particular requirements for electric food kettles for businesses catering
GOST 51374-99 (IEC 60335-2-58-95)	Safety of household and similar electrical appliances. Particular requirements for commercial electric dishwashing machines for catering
GOST 51375-99 (IEC 60335-2-37-94)	Safety of household and similar electrical appliances. Particular requirements for commercial electric deep fryers for public supply
GOST 12.2.142-99	SSBT. Cooling system capacity than 3.0 kW. Safety requirements
GOST 51360-99	Refrigeration compressors. Safety requirements and test methods
GOST R 52161.1-2004	Safety of household and similar electrical appliances. Part 1. General requirements
IEC 335-1-94	Safety of household and similar electrical appliances. General requirements and test methods
GOST 52161.2.24-2007	Safety of household and similar electrical appliances. Additional requirements for refrigerators, freezers, ice-making devices and methods of test
IEC 60335-2-34 - 2000	Safety of household and similar electrical appliances. Additional requirements for motor- compressors and test methods
Products of cultural and community use and household appliances	
GOST 19930-91	Household sewing machines. General

	technical conditions
GOST 25647-83	Household sewing machines. Methods of functional testing
GOST 50660-94	Hand knitting machines. Safety requirements and test methods
GOST 19930-91	Household sewing machines. General technical conditions
GOST 52161.2.28-2009 (from 01.01.2011)	Safety of household and similar electrical appliances. Part 2.28. Particular requirements for sewing machines
Polygraph equipment	
STB 1568-2005	Occupational safety standards system. Polygraph equipment. Requirements and test methods
STB 1783-2007	Sheet-fed offset printing machines. Methods of control of process parameters
GOST 12.2.133-97	Occupational safety standards system. Polygraph equipment. Requirements and test methods
Manufacturing equipment for glass, porcelain, earthenware and cable industry (excluding spare parts)	
GOST 12.2.015-93	Machinery and equipment for the glass industry. General requirements for safety
Fasteners engineering application	
GOST 1759.0-87	Bolts, screws, studs and nuts. General technical conditions
GOST 1759.1-82	Bolts, screws, bolts, nuts and screws. Tolerances. Methods to control the size and shape deviations, and the surfaces
ISO 4759-1-2009	Fasteners. Tolerances. Part 1. Bolts, screws, studs and nuts. Accuracy classes A, B and C
GOST 1759.2-82	Bolts, screws and studs. Surface defects and methods of control
ISO 6157-1-2009	Fasteners. Surface defects. Part 1. Bolts, screws and studs general
GOST 1759.3-83	Nuts. Surface defects and methods of control
ISO 6157-2-2009	Fasteners. Surface defects. Part 2. Nuts
GOST 1759.4-87	Bolts, screws and studs. Mechanical properties and test methods
GOST R 52627-2006 (ISO 898-1:1999)	Bolts, screws and studs. Mechanical properties and test methods
GOST 1759.5-87	Nuts. Mechanical properties and methods of control
GOST R 52628-2006 (ISO 898-2:1992, ISO 898-6:1994)	Nuts. Mechanical properties and test methods
ISO 2320-2009	Self-steel nuts. Mechanical and performance

	properties
GOST 25556-82	Set screws. Mechanical properties and test methods
ISO 898-5-2009	Mechanical properties of fasteners made of carbon steel and alloy steel. Part 5. Set screws and similar threaded fasteners not under tensile stress
GOST 10618-80	Self-tapping screws for metal and plastic. General specifications
ISO 2702-2009	Self-tapping screws are heat-treated steel. Mechanical Properties
GOST 1147-80	Screws. General specifications
GOST 10304-80	Rivets accuracy classes B and C. General specifications
GOST 12644-80	Tubular rivets and semi-tubular. General specifications
GOST 14803-85	Rivets (high precision). General specifications
ISO 14589-2005	Rivets "blind." Mechanical tests
GOST 18123-82	Washers. General specifications
ISO 4759-3-2009	Fasteners. Tolerances. Part 3. Flat round washers for bolts, screws and nuts. Classes A and C accuracy
GOST 10461-81	Washers with teeth. General technical conditions
GOST 6402-70	Spring washers. Specifications
GOST 397-79	Cotter pins. Specifications
Rolling	
Standard 520-2002 (ISO 492-94, ISO 199-97)	Bearings. General specifications
GOST 10058-90	Single-row deep groove ball bearings for appliances. Specifications
GOST 20821-75	P Ball thrust bearings double row with a contact angle of 60 °. Technical conditions
GOST 3635-78 (ISO 6124-1-82, ISO 6124-2-82, 6124-3-82 ISO, ISO 6125-82)	P pivot bearings. Specifications
GOST 4060-78	P needle roller bearings with an outer ring pressed. Technical conditions
GOST 24310-80	N Rolling. Bearings Radial needle roller and cage. Technical conditions
GOST 26676-85	Thrust roller bearings with single needle roller and cage. Technical conditions

Members of the Coordinating Committee for Technical Regulation,

the application of sanitary, veterinary and phytosanitary measures and authorized representatives of the Parties:					
From the Republic of Belarus		From the Republic of Kazakhstan		From the Russian Federation	
	VN Roots		RA Satbaev		VY Salamatov
	VM Kazakevich		SS Khasenov		ON Aldoshin
	IA Zastenskaya		NO Sadvakasov		AL Safonov
Executive secretary of the Coordination Committee				MG Chuiko	
The experts of the Parties:					
from the Republic of Belarus		of the Republic of Kazakhstan		from the Russian Federation	

LIST
Standards, a result of which, on a voluntary
BASIS, compliance with
TECHNICAL RULES OF THE CUSTOMS UNION
"Machine Safety and Equipment "(TR TC 00_/2011)

Standard number	Standard name
Standards Group A (general technical security)	
Standard EN 1050-2002	Safety of machinery. Principles of valuation and determination of risk
ISO 12100-1-2007	Safety of machinery. Basic concepts, general principles for design. Part 1. Basic terms, the methodology
ISO 12100-2-2007	Safety of machinery. Basic concepts, general principles for design. Part 2. Technical principles
GOST 2.601-2006	Unified system for design documentation. Operational documents
Standards group B (group security)	
GOST 12.1.001-89	Occupational safety standards system. Ultrasound. General requirements for safety
GOST 12.1.002-84	Occupational safety standards system. electric field of industrial frequency. permissible voltage levels and requirements to conduct monitoring in the workplace
GOST 12.1.003-83	Occupational safety standards system. Noise. General safety requirements
GOST 12.1.004-91	Occupational safety standards system. Fire safety. General requirements
GOST 12.1.005-88	Occupational safety standards system. General hygiene requirements to the work area
GOST 12.1.007-76	Occupational safety standards system. Harmful substances. Classification and general requirements for safety
GOST 12.1.010-76	Occupational safety standards system. Explosion. General requirements

Standard 12.1.012-2004	Occupational safety standards system. Seismic safety. General requirements
GOST 12.1.018-93	Occupational safety standards system. Fire and explosion of static electricity. General requirements
GOST 12.1.030-81	Occupational safety standards system. Electrical. Protective earth, vanishing
GOST 12.1.040-83	Occupational safety standards system. Laser safety. General provisions
GOST 12.2.003-91	Occupational safety standards system. Industrial equipment. General requirements for safety
Standard 12.2.007.0-75	Occupational safety standards system. Products electrical. General requirements for safety
GOST 12.2.032-78	Occupational safety standards system. Work place when working sitting. General ergonomic requirements
GOST 12.2.033-78	Occupational safety standards system. Work place when working standing up. General ergonomic requirements
GOST 12.2.049-80	Occupational safety standards system. Industrial equipment. General ergonomic requirements
GOST 12.2.051-80	Occupational safety standards system. Processing equipment ultrasound. Safety
GOST 12.2.052-81	Occupational safety standards system. equipment working with gaseous oxygen. General requirements for safety
GOST 12.2.061-81	Occupational safety standards system. Industrial equipment. General requirements for the safety of workplaces
GOST 12.2.062-81	Occupational safety standards system. Industrial equipment. Fencing protective
GOST 12.2.064-81	Occupational safety standards system. Bodies of industrial control equipment. General requirements for safety
GOST 12.2.098-84	Occupational safety standards system. Cabin soundproofing. General requirements
GOST 12.4.026-2001	Occupational safety standards system. Color signaling and safety signs
STB ISO 14159-2011	"Safety of machinery. Hygiene requirements for the design of machines "
GOST 12.4.040-78	Occupational safety standards system. Bodies of industrial control equipment. Designations
GOST 14254-96 (IEC 529-89)	The degree of protection provided by enclosures (Code IP)
GOST 30691-2001 (ISO 4871-96)	The noise of cars. The application and control of noise emission values of characteristics
GOST 30860-2002 (EN 842:1996, EN 981:1996)	Safety of machinery. The main characteristics of optical and acoustic signals of danger. Requirements and test methods
GOST 31193-2004 (EN 1032:2003)	Vibration. Defining the parameters of vibration characteristics of self-propelled vehicles. General requirements

GOST 31217-2003 (EN 626-1:1994)	Safety of machinery. Reducing health risks from hazardous substances released during the operation of the machines. Part 1. The main provisions for machine manufacturers
Standard EN 349-2002	Safety of machinery. Minimum distances to avoid crushing of parts of the human body
Standard EN 418-2002	Safety of machinery. Install emergency shutdown. Function. Design principles
Standard EN 563-2002	Safety of machinery. As to the temperature of surfaces. Ergonomics data to establish limit values for hot surfaces
Standard EN 894-2-2002	Safety of machinery. Ergonomics requirements for the design of displays and controls. Part 2. Tools display
Standard EN 953-2002	Safety of machinery. Removable devices. General requirements for the design and manufacture of fixed and movable removable protective devices
Standard EN 1005-2-2005	Safety of machinery. Physical capabilities of man. Part 2. Manual labor component when working with machines and tools
Standard EN 1037-2002	Safety of machinery. Prevention of unexpected start-up
Standard EN 1088-2002	Safety of machinery. Interlocking devices associated with safety devices. Principles of design and selection
Standard EN 1760-1-2004	Safety of machinery. Protective devices respond to the pressure. Part 1. The basic principles for design and testing of carpets and floors, pressure sensitive
Standard EN 1837-2002	Safety of machinery. Recessed lighting cars
EN ISO 8995-2002	Principles of visual ergonomics. Lighting systems operating indoors.
EN ISO 13851-2006	Safety equipment. Two-handed device management. Functional aspects and principles of design
EN ISO 13855-2006	Safety equipment. Location of protective devices with the speed of approach of parts of the human body
EN ISO 14123-1-2000	Safety equipment. Reducing the risk to health from hazardous substances emitted by the equipment. Part 1. Fundamentals and technical requirements
IEC 60204-1-2007	Safety of machinery. Electrical equipment of machines and mechanisms. Part 1. General requirements
ISO 14122-3-2009 = STB ISO 14122-3-2004	Safety of machinery. Means of access to machines landline. Part 3. Stairs and railings
ISO 14122-4-2009	Safety of machinery. Means of access to machines landline. Part 4. Vertical ladders
ISO 14738-2007 = STB ISO 14738-2007	Safety of machinery. Anthropometric requirements for the design of jobs machines
ISO 15534-1-2009	The ergonomic design of machines for security. Part 1. The principles of determining the size of openings to access all of the human body inside the car
STB ISO 13857-2010	Safety of machinery. Safety distances to protect the upper and lower limbs from

	falling into the danger zone
STB EN 547-1-2003 = GOST R EN 547-1-2008	Safety of machinery. Dimensions of the human body. Part 1. The guidelines for determining the size of passage for human access to the entire body jobs in cars
STB EN 547-2-2003	Safety of machinery. Dimensions of the human body. Part 2. The guidelines for determining the size of the holes to access different parts of the body
STB EN 547-3-2003	Safety of machinery. Dimensions of the human body. Part 3. Anthropometric data
STB EN 574-2006	Safety of machinery. Control device-handed. Design principles
STB EN 614-1-2007 = GOST R EN 614-1-2003	Safety of machinery. Ergonomic principles in the design. Part 1. Terms, definitions and general principles
STB EN 614-2-2005	Safety of machinery. Ergonomic principles in the design. Part 2. The relationship between the layout of machinery and work tasks
STB EN 894-1-2003	Safety of machinery. Ergonomic requirements for the design of indicators and controls. Part 1. General guidelines for the interaction of the operator with the indicators and controls
STB EN 894-3-2003	Safety of machinery. Ergonomic requirements for the design of indicators and controls. Part 3. Controls
STB EN 999-2003	Safety of machinery. Location of safety devices with the speed of approximation of human body parts
STB EN 1005-3-2005	Safety of machinery. The physical characteristics of the person. Part 3. Recommended values of human physical effort when working with machines
STB EN 1299-2006	Mechanical vibrations and shocks. Vibration isolation of machines. Notes on sources of vibration isolation
STB EN 12198-1-2003	Safety of machinery. Assessment and reduction of risk of radiation emitted from the machines. Part 1. General principles
STB EN 13478-2006	Safety of machinery. Fire protection
STB ISO 13849-1-2005 = ISO 13849-1-2003	Safety of machinery. Elements of security systems management. Part 1. General principles for design
STB ISO 14122-1-2004	Safety of machinery. Means of access to the mechanisms of constants. Part 1. Choice of permanent means of access between two levels
STB ISO 14122-2-2004	Safety of machinery. Means of access to the mechanisms of constants. Part 2. Working platforms and walkways
STB IEC 60204-31-2006	Safety of machinery. Electrical equipment of machines and mechanisms. Part 31. Additional requirements and safety requirements of electromagnetic compatibility for sewing machines, plants and systems
STB IEC 61310-1-2005	Safety of machinery. Indication, marking and running. Part 1. Requirements for visual, audible and tangible signals
STB IEC 61310-2-2005	Safety of machinery. Indication, marking and running. Part 2. Labeling requirements
STB IEC 61310-3-2005	Safety of machinery. Indication, marking and running. Part 3. Requirements for the location and operation of controls
GOST 7.64-90	Representation of dates and times of the day. General requirements

Standards Group C	
Turbines	
GOST 20689-80	Stationary steam turbines to drive compressors and blowers. Types, basic parameters and general requirements
GOST 24278-89	Installation of stationary steam turbines to drive electrical generators TPP. General technical requirements
GOST 25364-97	Stationary steam turbine units. Norms vibration support shafts and general requirements for conducting measurements
GOST 27165-97	Stationary steam turbine units. Standards shafting vibration and general requirements for conducting measurements
GOST 28775-90	Gas compressor units with gas turbine drive. General specifications
GOST 28969-91	Steam turbine stationary low power. General specifications
GOST 29328-92	Installing gas turbine to drive turbine generators. General specifications
GOST 28757-90	Warmer vapor recovery systems turbine power station. General specifications
GOST 10731-85	Surface type vaporizers for steam-turbine power plants. General specifications
Sintering equipment (machinery agglomeration of raw materials). Crushers	
GOST 12.2.003-91	Occupational safety standards system. Industrial equipment. General requirements for safety
Diesel engines and diesel generators	
GOST 10150-88	Marine engines, locomotive and industrial. General specifications
GOST 29076-91 (ISO 6826-82)	Marine diesel engines, locomotive and industrial. requirements for fire safety
GOST 13822-82	Electrical apparatuses and mobile electric diesel. General specifications
GOST 21671-82	Gasoline generator sets and power plants. General specifications
GOST 23377-84	Electrical apparatuses and mobile electric power from internal combustion engines. General technical requirements
GOST 26363-84	Electrical apparatuses and mobile electric power from internal combustion engines. Rules, marking, packaging, transportation and storage
GOST 50783-95	Electrical apparatuses and mobile electric power from internal combustion engines. General technical requirements
GOST 50761-95	Marine diesel engines, locomotive and industrial. General requirements for safety
GOST 51249-99	Internal combustion engines. Emissions of harmful substances in the exhaust gases. Norms and methods for determining
GOST 51250-99	Internal combustion engines. Exhaust gas opacity. Limits and methods of determining
GOST R 53174-2008	Installing electricity generation with diesel and gas-powered internal combustion engine. General specifications

GOST R 53175-2008	Power generating installation with gasoline internal combustion engines. General specifications
Mining equipment	
GOST 12.2.106-85	Occupational safety standards system. Machines and mechanisms used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST 26980-95	Shovels. General technical conditions
ST SEV 3432-81	Combines coal. General requirements for safety
ST SEV 4332-84	Combines cleaning coal and excavating equipment. Light Requirements
GOST R 53650-2009	Plow installation. General specifications
GOST 28318-89	Spreaders. General technical requirements
GOST 17770-86	Machine manual. Requirements for vibration characteristics
GOST 12.2.010-75	Occupational safety standards system. Machine hand, pneumatic. General requirements for safety
Standard 12.2.030-2000	Occupational safety standards system. Machine manual. Noise characteristics. Norm. Methods of testing
GOST R 52018-2003	Tubs sinking. Specifications
GOST R 52217-2004	Devices trailer sinking. Technical conditions
GOST 15850-84	Parachutes for mine train. Specifications
GOST 15851-84	Suspended devices for mine train. Specifications
GOST 15035-80	Underground scraper winch. Technical conditions
GOST R 52442-2005	Hammers pneumatic telescopic. General requirements
GOST R 52443-2005	Hammers pneumatic column. General technical requirements
GOST R 51681-2000	Hammers pneumatic portable. Rod drilling. General technical requirements
Standard 12.4.220-2001	Occupational safety standards system. Means of respiratory protection. Devices with autonomous insulating chemically bound oxygen (self-rescuers). General technical requirements. Test methods
GOST 27038-86	Mechanized systems downhole. General requirements for safety
GOST 28597-90	Mechanized lining for lava. General technical requirements
GOST 28600-90	Combines treatment. Basic parameters and dimensions. General requirements
GOST R 52152-2003	Mechanized lining for lava. Key parameters. General requirements. Methods of testing
STB 1575-2005	Mechanized lining for lava. Key parameters. General requirements. Methods of testing
GOST R 51748-2001	Metal lining supple frame. Roof support arch. General specifications
GOST R 52042-2003	Anchor bolting. General specifications
GOST R 53648-2009	Locomotive underground. General technical requirements and test methods

GOST R 53649-2009	Combines treatment. General requirements. Test methods
GOST 12.2.106-85	Occupational safety standards system. Machines and mechanisms used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST 26917-2000	Loaders mine. General technical requirements and test methods
GOST R 50703-2002	Heading machines swept the executive body. General technical requirements and test methods
GOST R 52218-2004	Sinking winch. General technical requirements and test methods
GOST 51246-99	Hammers pneumatic portable. Requirements and test methods
GOST 12.2.106-85	Occupational safety standards system. Machines and mechanisms used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST 7828-80	Sinking winch. Specifications
GOST 27039-86	Conveyors for mines scraping mobile. General requirements for safety
GOST 28628-90	Conveyors mine tape. General technical conditions
GOST R 51984-2002	Conveyors mine tape. General technical conditions
GOST 12.2.106-85	Occupational safety standards system. Machines and mechanisms used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
GOST 26699-98	Mounting of drill shaft. General technical requirements and test methods
GOST 26698.1-93	Machines for drilling blast holes in open pit mining. General specifications
GOST 26698.2-93	Underground drilling machines. General technical conditions
GOST 12.2.141-99	Occupational safety standards system. Chisel equipment ground. Demands security
GOST 12.2.106-85	Occupational safety standards system. Machines and mechanisms used in the mining of ore, non-metallic mineral and placer deposits. General hygiene requirements and evaluation methods
Lifting Chains	
GOST 25996-97 (ISO 610-90)	Circuits round high strength for mining equipment. Specifications
GOST 30188-97	Lifting chain calibrated high-strength. Specifications
GOST 30441-97 (ISO 3076-84)	Lifting chain short sling non-calibrated Grade T (8). Specifications
Standard EN 818-7-2010	Short sling lifting chain. The requirements of security. Part 7. Chain calibrated. Class T (Types T, DAT and DT). (IDT EN 818-7:2002)
GOST R EN 818-1-2005	Chain of round steel short links for lifting goods. Safety. Part 1. General requirements for the acceptance
GOST R EN 818-2-2005	Chain of round steel short links for lifting goods. Safety. Part 2. Chains steel normal accuracy for sling chains of Class 8
GOST R EN 818-3-2005	Chain of round steel short links for lifting goods. Safety. Part 3. Chains steel normal accuracy for sling chains of class 4

GOST R EN 818-4-2005	Chain of round steel short links for lifting goods. Safety. Part 4. Sling chain of Class 8
GOST R EN 818-5-2005	Chain of round steel short links for lifting goods. Safety. Part 5. Sling chain of class 4
STB EN 1677-1-2005	Details of slinging. Safety. Part 1. Forged parts, strength class 8
STB EN 1677-2-2005	Details of slinging. Safety. Part 2. Forged hook with safety lock, class strength 8
Handling equipment (cranes)	
GOST 12.2.053-91	Occupational safety standards system. Crane- truck. Safety requirements
GOST 12.2.058-81	Occupational safety standards system. Cranes lifting. Requirements for color marking parts tap-dangerous operation
GOST 12.2.071-90	Occupational safety standards system. Cranes lifting. Container cranes. Demands security
GOST 7075-80	Cranes reference manual. Technical conditions
GOST 7890-93	Single-girder overhead traveling cranes. Specifications
GOST 13556-91	Cranes tower construction. General technical conditions
GOST 22045-89	Single-girder overhead traveling cranes, electric anchor. Specifications
GOST 22827-85	Mobile jib cranes for general use. Specifications
GOST 27551-87 (ISO 7752-2-85)	Mobile jib cranes. Controls. General requirements
GOST 27584-88	Gantry cranes and electric. General specifications
GOST 27913-88 (ISO 7752-1-83)	Cranes. Controls. Location and characteristics. General principles
GOST 28296-89	Cranes tower. Safety requirements
GOST 28433-90	Shelf stacker cranes. General technical conditions
GOST 28434-90	Stacker cranes overhead. General technical conditions
GOST 30321-95	Cranes. Safety requirements for hydraulic equipment
EN ISO 7752-5-95	And gantry cranes. Controls. Location and characteristics
GOST 25835-83	Cranes. Classification mechanisms for operating modes
GOST 1451-77	"Cranes. Wind load. Standards and the method of determining "
GOST 25546-82	"Cranes. Modes"
GOST 30934.1-2002 (ISO 9928-1:1990)	"Cranes. Guidelines for crane operation. Part 1. General "
STB EN 12385-1-2009	"Steel wire ropes. Safety. Part 1. General requirements "
STB EN 12385-2-2009	"Steel wire ropes. Safety. Part 2. Definitions, designation and classification "
STB EN 12385-3-2009	"Steel wire ropes. Safety. Part 3. Information on the use and care "
STB EN 12385-4-2009	"Steel wire ropes. Safety.

	Part 4. stranded rope general for lifting "
STB EN 12385-10-2009	"Steel wire ropes. Safety. Part 10. Ropes helical lay public use "
STB EN 13411-3-2009	"Termination of steel ropes. Safety. Part 3. retaining clips and press-fit "
STB EN 13411-4-2009	"Termination of steel ropes. Safety. Part 4. Fill a metal or plastic "
STB EN 13411-5-2009	"Termination of steel ropes. Safety. Part 5. Termination rope clamp "
STB EN 13411-2-2006	"Termination of steel ropes. Safety. Part 2. Whip rope sling "
Stationary belt (including retractable), scrapers and other sectional	
GOST 12.2.022-80	Occupational safety standards system. Conveyors. General requirements for safety
GOST 12.2.119-88	Occupational safety standards system. Lines automatic rotor and rotor-conveyor. General safety requirements
GOST 2103-89	Movable conveyor belts general purpose. Specifications
GOST 30137-95	Horizontal vibrating conveyors. General specifications
GOST R 51803-2001	Mobile belt conveyor construction. General specifications
STB EN 620-2007	Equipment and systems for continuous loading. Stationary belt for bulk materials. Safety and electromagnetic compatibility
Electric hoist rope and chain	
GOST 22584-96	Electric wire rope hoists. General technical conditions
GOST 24599-87	Rope Grabs for bulk goods. General specifications
GOST 28408-89	Hand hoists and cats. General specifications
Manufacturing floor trackless transport and adapt to	
GOST 18962-97	Car floor trackless electric transport. General specifications
GOST 25940-83 (ISO 3287-78)	Car floor vehicles. Marking and symbols
GOST 29249-2001 (ISO 6055-97)	Transport trackless floor. Protective canopies. Specifications and methods of test
GOST 31318-2006 (EN 13490:2001)	Vibration. Laboratory method for evaluation of vibration, transmitted through the seat of the machine operator. industrial trucks
GOST 51349-99 (ISO 2328-93, ISO 2330-95, ISO 2331-74)	Transport trackless floor. Plates trucks, fork. Specifications
GOST R 53080-2008 (EN 13059:2002)	Vibration. Defining the parameters of vibration characteristics of self-propelled vehicles. Base Transportation
GOST 30868-2002	Transport trackless floor. System brakes. Technical requirements
GOST 30871-2002	Transport trackless floor. Demands security
GOST 31202-2003	Car floor trackless electric transport. Workplace driver. General ergonomic

	requirements
Chemical equipment, oil and gas	
GOST 20680-2002	Apparatus with mechanical stirring devices. General specifications
GOST 26646-90	Installation distillation desalination stationary. General technical requirements and acceptance
GOST 27120-86	Furnace chemical plants with rotating drums for general use. General technical requirements
GOST 27468-92	Stationary heat and mass transfer equipment distillation desalination plants. General technical requirements
GOST 28705-90	Industrial centrifuges. Technical requirements
GOST 30872-2002	Air coolers. General specifications
GOST R 51563-2000	Liquid centrifugal separators. The requirements of security. Test methods
GOST R 51564-2000	Machines and units for drying and evaporation. Safety requirements. Test methods
ISO 13706-2006	Apparatus with air cooling. General technical requirements
GOST R 51706-2001	Ozonation equipment. Demands security
GOST R 51738-2001	Equipment for microbiological productions. Apparatus for the hydrolysis of plant materials. Fermentor. Safety requirements. Methods of testing
GOST R 51931-2002	Industrial centrifuges. The requirements of security. Test methods
GOST R 53684-2009 (from 01.01.2011)	Turrets. Technical requirements
Equipment for the processing of polymeric materials	
GOST 12.2.045-94	Occupational safety standards system. Equipment for production of rubber products. Safety requirements
GOST 11996-79	Internal mixer batch. General specifications
GOST 14333-79	Rubber processing rolls. General technical conditions
GOST 14106-80	Autoclaves for vulcanization. General technical conditions
GOST 15940-84	Machines for assembling tires. General technical conditions
Pumping equipment (pumps, pumping units and installations)	
GOST 3347-91	Centrifugal pumps for liquid dairy products. General specifications
GOST 13823-93	Hydraulic volume. Displacement pumps and motors. General technical requirements
GOST 22247-96 (ISO 2858-75)	Centrifugal pumps for water console. Basic parameters and dimensions. The requirements of security. Control methods
GOST 30645-99	Energy conservation. Non-traditional and renewable energy sources. Heat pumps "air-water" for domestic heating. General technical requirements and test methods.
Standard IEC 60335-2-41	Household and similar electrical appliances.

- 2009	Safety. Part 2-41. Additional requirements for pumps
GOST R 51896-2002	Borehole Pumps rod. General technical requirements
GOST R 52743-2007 (EN 809:1998) = STB EN 809-2004	Pumps and pump units for pumping liquids. General requirements for safety
GOST R 52744-2007	Pumps and pump units. Demands security
STB 1831-2008	Volume hydraulic gear pumps. Specifications
STB EN 13951-2009	Equipment food and agriculture. Pumps for liquid products. Safety requirements and rules design
Cryogenic equipment, compressors, refrigeration, torch, gas treatment, vacuum pumps	
GOST 12.2.016-81	Occupational safety standards system. Compressor equipment. General requirements for safety
Standard 12.2.016.1-91	Occupational safety standards system. compressor equipment. Determination of the noise characteristics. General requirements
GOST 12.2.110-95	Air compressors, piston stationary general purpose. Limits and methods of determining the noise characteristics
GOST 12.2.133-94	Occupational safety standards system. Compressors and vacuum pumps, liquid ring. Safety requirements
GOST 18517-84	Compressors garage. General specifications
GOST 22502-89	Condensing unit with hermetic refrigeration compressors for commercial refrigeration equipment. General specifications
GOST 23833-95	Commercial refrigeration equipment. General specifications
GOST 27407-87	Opposed piston compressors. Permissible levels of noise characteristics and methods of measurement
GOST 30176-95	Compressor stations, portable general purpose. General technical requirements
GOST 30829-2002	Portable generators, acetylene. General specifications
GOST 30938-2002	Compressor equipment. Determination of vibration characteristics of small and medium-sized piston compressors and rate of vibration
GOST 12.2.142-99	Occupational safety standards system. System refrigeration cooling capacity than 3.0kW. Safety requirements
GOST 50821-95	Fiber mist eliminators. Types and basic parameters. Safety requirements. Methods of testing
GOST 51360-99	Refrigeration compressors. Safety requirements and test methods
GOST R 51562-2000	Equipment Gas and dust. Hose filters. Wet dust collectors. Safety requirements. Test methods
GOST R 51707-2001	Cottrell. Safety requirements and methods of tests
GOST R 51708-2001	Centrifugal dust collectors. Requirements and test methods
GOST R 51878-2002	Scrubbers adsorption. Requirements and test methods
GOST R 52445-2005	Absorption scrubbers. Requirements and test methods

GOST R 52615-2006 (EN1012-2:1996)	Compressors and vacuum pumps. The requirements of security. Part 2. Pumps
GOST R 53737-2009	The oil and gas industry. Reciprocating compressors. Technical requirements
Equipment and apparatus for the flame treatment of metals and plating products	
GOST 12.2.008-75	Occupational safety standards system. Machines and apparatus for flame treatment of metals and thermal spray coatings. Safety requirements
GOST 12.2.052-81	SSBT. Equipment operating with gaseous oxygen. General requirements for safety
GOST 12.2.054-81	SSBT. Acetylene installation. Demands security
GOST 5191-79	Cutters for manual injection of oxygen cutting. Types, basic parameters and the general technical requirements
GOST 1077-79	Burner single flame universal for oxyacetylene welding, brazing and heating. Types, basic parameters and dimensions and general specifications
GOST 13861-89	Gearboxes for flame treatment. General specifications
GOST 30829-2002	Portable generators, acetylene. General specifications
GOST 50379-92	Tightness of equipment and facilities for gas welding, cutting and allied processes. Permissible speeds external leakage of gas and the method of measurement.
GOST 50402-92	Safety devices for fuel gases and oxygen or compressed air used in gas welding, cutting and allied processes. Basic concepts, general technical requirements and test methods
Equipment Gas and dust	
GOST R 51562-2000	Equipment Gas and dust. Hose filters. Wet dust collectors. Safety requirements. Test methods
GOST R 51708-2001	Centrifugal dust collectors. Requirements and test methods
Equipment for pulp and paper	
GOST 25166-82	Machinery for the pulp and paper industry. Safety
GOST 26563-85	Vibration. Technological equipment of pulp and paper production. Methods and means of protection
Oilfield equipment, drilling Exploration	
GOST 12.2.041-79	Occupational safety standards system. Chisel equipment. Safety requirements
GOST 12.2.088-83	Occupational safety standards system. ground-based equipment for the development and maintenance of wells. General requirements for safety
GOST 12.2.108-85	Occupational safety standards system. Installation for drilling exploration and water wells. Demands security
Standard 12.2.115-2002	Occupational safety standards system. preventer equipment. Demands security
GOST 12.2.125-91	Occupational safety standards system. Equipment Rope ground. Demands security
GOST 12.2.132-93	Occupational safety standards system. Oilfield Equipment Mining wellhead. General requirements for safety

GOST 12.2.136-98	Occupational safety standards system. Pump rod for ground equipment. Demands security
Standard 12.2.228-2004	Occupational safety standards system. Tools and devices tripping workover. Safety requirements
GOST 15880-96	Electric drills. General specifications
GOST 26698.1-93	Machines for drilling blast holes in open pit mining. General specifications
GOST 26698.2-93	Underground drilling machines. General technical conditions
GOST 30315-95	Electric drills and components. Demands security
GOST 30767-2002	Equipment for gas lift wells. Safety requirements and methods of tests
GOST 30776-2002	Pump installations mobile oil country. General specifications
GOST 30894-2003	Mining equipment wellhead. General technical requirements
GOST 12.2.141-99	Occupational safety standards system. Chisel equipment ground. Demands security
GOST R 51365-2009	Oilfield Equipment Mining wellhead. General specifications
GOST R 51896-2002	Borehole Pumps rod. General technical requirements
GOST R 53680-2009 (01.01.2011)	The oil and gas industry. Equipment for workover wells. General technical requirements
GOST R 53683-2009 (01.01.2011)	The oil and gas industry. Drilling and production equipment. Lifting equipment. General technical requirements
Bellows	
GOST 21744-83	Multilayer metal bellows. General specifications
GOST 27036-86	Bellows expansion joints and seals, metal. General specifications
GOST 50618-93	Bellows for compensation monolayer of metal. Types, the general technical requirements
GOST 50619-93	Bellows for compensation multilayer metal. Types, the general technical requirements
GOST 50671-94	Metal bellows expansion joints for pipes of power plants and heating networks. Types, basic parameters and general requirements
GOST R 51571-2000	Bellows expansion joints and seals, metal. General technical requirements
Equipment for the preparation and purification of drinking water	
GOST R 51871-2002	Water treatment devices. General requirements for the performance and the methods of determining
GOST 26646-90	Installation distillation desalination stationary. General technical requirements and acceptance
Industrial valves	
GOST 12.2.063-81	Occupational safety standards system. Fittings Industrial valves. General requirements for safety
GOST R 53672-2009 (01.01.2011)	Pipeline. General requirements for safety

Metalworking	
GOST 12.2.009-99	Occupational safety standards system. Machine tools, metal machining. General requirements for safety
GOST 12.2.048-80	Occupational safety standards system. Machine tools for sharpening saws and wood-flat blades. Safety
GOST 12.2.107-85	Occupational safety standards system. Noise. Machine tools. Allowable noise characteristics
GOST 7599-82	Metalworking. General technical conditions
GOST 30685-2000	Honing and lapping machines vertical. General specifications
Standard EN 1550-2002	Safety of machine tools. Safety requirements for the design and construction of chucks blanks
Standard EN 12415-2006	Safety of machine tools. Lathes with numerical control machining centers and lathes
Standard EN 12417-2006	Safety of machine tools. Machining center for machining
Standard EN 12478-2006	Safety of machine tools. Machines large lathes with numerical control machining centers and large lathes
Standard EN 12626-2006	Safety of machine tools. Machines for laser processing
Standard EN 13128-2006	Safety of machine tools. Milling machines (including boring machines)
GOST 50786-95	Metalworking small. Safety
GOST R EN 12717-2006 = STB EN 12717-2005	Safety of machine tools. Drilling
GOST R EN 12840-2006	Safety of machine tools. Lathes manual, equipped and not equipped with automated control
GOST R EN 12957-2007	Safety of machine tools. EDM Machines
GOST R EN 13218-2006 = STB EN 13218-2005	Safety of machine tools. Grinding stationary
GOST R EN 13788-2007	Safety of machine tools. Automatic machines Multi-spindle lathes
GOST R EN 13898-2009	Safety of machine tools. Sawing for cold cutting
STB EN 12348-2004	Machines for core drilling. Safety
Metal-forming machine (except for cars with manual and pedal-operated)	
GOST 12.2.017-93	Forging and pressing equipment. General requirements for safety
Standard 12.2.017.1-89	Occupational safety standards system. Machines and semi-automatic metal-forming. Demands security
Standard 12.2.017.2-89	Occupational safety standards system. Hammers. Safety
Standard 12.2.017.3-90	Occupational safety standards system. Machines are correct. Safety requirements

Standard 12.2.017.4-2003	Press brake. Safety requirements
GOST 12.2.055-81	Occupational safety standards system. Processing equipment scrap ferrous and non-ferrous metals. Demands security
Standard 12.2.113-2006	Crank Presses. Safety requirements
GOST 12.2.114-86	Occupational safety standards system. Press screw. Safety requirements
Standard 12.2.116-2004	Bending machine three-and four-high. Safety
GOST 12.2.117-88	Occupational safety standards system. Press hydraulic. Safety requirements
Standard 12.2.118-2006	Scissors. Safety requirements
GOST 12.2.131-92	Occupational safety standards system. Machine forging. Safety requirements
GOST 6113-84	Horizontal screw press for ceramic products. Specifications
GOST 8390-84	Electrohydraulic presses for cutting parts. General specifications
GOST 50573-93	Metal-forming machines. Noise characteristics and methods for their determination
GOST R 52915-2008	Automatic and semiautomatic forging. Safety
GOST R 53463-2009	Hammers. Safety requirements
GOST R 53010-2008 (EN 693:2001)	Hydraulic presses. Safety requirements
STB EN 692-2006	Mechanical presses. Safety
Woodworking equipment	
Standard 12.2.026.0-93	Woodworking equipment. Requirements for the safety of the design
GOST 31206-2003	Woodworking equipment. Machines woodworking small movable, transportable, individual use. General requirements for safety
GOST 25223-82	Woodworking equipment. General specifications
STB EN 1870-10-2007	Safety of woodworking machines. Circular saws. Part 10. Machines, automatic and semi-automatic cut-off saw with supply canvas
STB EN 1870-11-2007	Safety of woodworking machines. Circular saws. Part 11. Machines, automatic and semi-automatic horizontal cross-cutting canvas (radial-cutting machines)
STB EN 1870-12-2007	Safety of woodworking machines. Circular saws. Part 12. Machine cross-cutting pendulum
STB EN 1870-15-2007	Safety of woodworking machines. Circular saws. Part 15. Machines multithreaded cross-cutting with a mechanical supply and manual loading and / or unloading
STB EN 1870-16-2007	Safety of woodworking machines. Circular saws. Part 16. Machines for bilateral miter V-shaped cut
STB EN 848-1-2004	Safety of woodworking machines. Milling machines for one-sided treatment of the rotating tool. Part 1. Single spindle vertical milling machines
STB EN 848-2-2004	Safety of woodworking machines. Milling machines for one-sided treatment of the rotating tool. Part 2. Single spindle milling machines with upper

	spindle position and manual / mechanical feed
STB EN 848-3-2004	Safety of woodworking machines. Milling machines for one-sided treatment of the rotating tool. Part 3. Drilling and milling machines with numerical control
STB EN 859-2003	Safety of woodworking machines. Planer-molding machines with manual feed of the material
STB EN 860-2003	Safety of woodworking machines. Planers for one-way process
STB EN 861-2004	Safety of woodworking machines. Combined jointing-Planers
STB EN 940-2004	Safety of woodworking machines. Woodworking combined
STB EN 1870-1-2005	Safety of woodworking machines. Circular saws. Part 1. Bench circular
STB EN 1870-2-2006	Safety of woodworking machines. Circular saws. Part 2. Machines for horizontal and vertical cutting boards
STB EN 1870-3-2006	Safety of woodworking machines. Circular saws. Part 3. Machines for miter top and combined
STB EN 1870-4-2006	Safety of woodworking machines. Circular saws. Part 4. Machines multithread slitting with manual loading and / or unloading
STB EN 1870-5-2006	Safety of woodworking machines. Circular saws. Part 5. Machines combined for processing and circular miter bottom
STB EN 1870-6-2006	Safety of woodworking machines. Circular saws. Part 6. Machines sawmills and sawmills combined, Bench circular with manual loading and / or unloading
STB EN 1870-7-2006	Safety of woodworking machines. Circular saws. Part 7. Machines for sawing logs with a motorized table and with manual loading / unloading or
STB EN 1870-8-2006	Safety of woodworking machines. Circular saws. Part 8. Edging machines and Pinion with mechanized equipment and the saw with manual loading and / or unloading
STB EN 1870-9-2007	Safety of woodworking machines. Circular saws. Part 9. Machines bilateral miter motorized and manual loading and / or unloading
STB EN 12750-2004	Safety of woodworking machines. Machines for four-Milling
Manufacturing equipment for foundries	
Standard 12.2.046.0-2004	Manufacturing equipment for foundry production. Safety requirements
GOST 15595-84	Foundry equipment. Molding machine pressure. General specifications
GOST 10580-2006	Manufacturing equipment for foundry production. General specifications
GOST 30573-98	Foundry equipment. Installation for casting of aluminum alloys. General specifications
GOST 30647-99	Foundry equipment. Molding machine low pressure. General specifications
GOST 31335-2006	Manufacturing equipment for foundry production. Equipment for blasting, shot-blasting and shot blasting process. Safety requirements
GOST R 53028-2008	Manufacturing equipment for foundry production. Noise characteristics and methods of control
STB EN 710-2004	Safety requirements for foundry machines and plants for the manufacture of molds and cores and to its associated devices

Equipment for applying metal coatings	
GOST 12.2.008-75	Occupational safety standards system. Machines and apparatus for flame treatment of metals and thermal spray coatings. Safety requirements
Equipment for friction welding, mechanical, accessories and thermal spraying	
GOST 12.2.008-75	Occupational safety standards system. Machines and apparatus for flame treatment of metals and thermal spray coatings. Safety requirements
Lines and systems for mechanical engineering, a system of flexible manufacturing (FMS), modules, flexible manufacturing (GMP), robots	
GOST 12.2.072-98	Industrial robots. Robotic processing lines. Requirements and test methods
GOST 12.2.119-88	Occupational safety standards system. Lines automatic rotor and rotor-conveyor. General safety requirements
GOST 26050-89	Industrial robots. General technical requirements
GOST 26054-85	Industrial robots for welding. General specifications
GOST 26056-84	Industrial robots for arc welding. General specifications
GOST 26057-84	Manipulators balanced. General technical conditions
GOST 27351-87	Industrial robots aggregate-modular. Executive modules. General specifications
GOST 27696-88	Industrial robots. Interfaces. Technical requirements
GOST 27697-88	Industrial robots. Cyclic unit, position and contour of software management. Technical requirements and methods of test
GOST 27879-88	Lines automatic rotor and rotor- conveyor. General technical requirements
Hydraulic and hydro-	
GOST 12.2.040-79	Occupational safety standards system. Hydraulic volume and lubricating systems. General safety requirements for construction
GOST 17411-91	Hydraulic volume. General technical requirements
GOST 31177-2003 (EN 982:1996)	Safety equipment. Requirements for the safety of hydraulic and pneumatic systems and their components. Hydraulics
GOST 16514-96	Hydraulic volume. Cylinders. General technical requirements
GOST 16517-93	Hydraulic volume. Hydro-apparatus. General technical requirements
GOST 16769-84	Accumulators. General technical requirements
GOST 28761-90	Hydraulic volume. Hydraulic motors turning. General technical requirements
GOST 28988-91	Volume hydraulic pipes, pneumatic and lubrication systems. Vibration characteristics, the vibration test and vibration
GOST R 52543-2006	Hydraulic volume. Safety requirements
Actuators and pneumatics	
GOST 12.3.001-85	Occupational safety standards system. Actuators. General safety requirements for installation, testing and operation
GOST 15608-81	Piston cylinders. Specifications
GOST 18460-91	Pneumatic actuators. General technical requirements

GOST 28988-91	Volume hydraulic, pneumatic and lubrication systems. Vibration characteristics, test the vibration and vibration
GOST 30156-95 (ISO 6953-1-90)	Pneumatic actuators. Pneumatic pressure relief. General technical requirements and test methods
GOST 30869-2003 (EN 983:1996)	Safety equipment. Requirements for the safety of hydraulic and pneumatic systems and their components. Pneumatics
GOST R 52869-2007	Pneumatic actuators. Safety requirements
Gear reducers and gear motors WMD	
GOST 25484-93	Gear motors gear. General technical conditions
GOST 26546-85	Variable speed chain. General specifications
GOST 50891-96	Gearboxes engineering application. General specifications
GOST 50968-96	Gear motors. General specifications
Chain drive, traction and cargo plate	
GOST 191-82	Cargo chain plate. Specifications
GOST 588-81	Traction circuits plate. Specifications
GOST 589-85	Traction chain folding. Specifications
GOST 12996-90	Traction circuits fork. Specifications
GOST 13552-81	Chain, cogged. Specifications
GOST 13568-97 (ISO 606-94)	Transmission roller chains and bush. General specifications
GOST 21834-87	Driving roller chain for high strength and precision. Specifications
GOST 23540-79	Chain plate with closed cargo rollers. Specifications
GOST 30442-97 (ISO 9633-92)	Driving roller chain for bicycles. Specifications
Terrain vehicle, snowmobile carrying capacity up to 1000 kg and trailers	
GOST 50943-96	All-terrain vehicle. Safety requirements
GOST 50944-96	Snowmobiles. Safety requirements
GOST R 52008-2003	Motor transport tools, four-terrain. General technical requirements
Forklifts	
GOST 16215-80	Forklift general. Generic specification
GOST 27270-87	Car floor vehicles. Electricity and trucks for containers and covered railway wagons. Main parameters and technical requirements
Bicycles (except for children)	
GOST 5503-94	Bicycles. General specifications
GOST 29096-91 (ISO 4210-89)	Bicycles. Safety requirements for bicycles
GOST R 52111-2003	Bicycles. General specifications
Boat motors suspended	
GOST 28556-90	Boat motors suspended. Types. Key parameters. General technical requirements
Garage equipment for motor vehicles and trailers	

GOST 22859-77	Hydraulic Hoists. General specifications
STB EN 1494-2005	Mobile or movable jacks and refers to them lifting equipment
GOST 51151-98	Garage equipment. Safety requirements and methods of control
Agricultural machines	
Standard 12.2.019-2005	Occupational safety standards system. Tractors and self-propelled agricultural machines. General requirements for safety
GOST R 53489-2009	Occupational safety standards system. Machine mounted and towed agricultural. General requirements for safety
Standard 12.2.120-2005	Occupational safety standards system. Cab and operator workstations tractors and self-propelled agricultural machines. General requirements for safety
Standard 17.2.2.02-98	The Nature Conservancy. Atmosphere. Limits and methods of determining the opacity of exhaust gases of diesel engines, tractors and self-propelled agricultural machines
Standard 17.2.2.05-97	The Nature Conservancy. Atmosphere. Limits and methods of determining emissions of harmful substances from exhaust gases of diesel engines, tractors and self-propelled agricultural machines
GOST 6939-93	Plows marsh and shrub bog. General specifications
GOST 23074-85	Machines for applying liquid organic fertilizers. General specifications
GOST 23173-96	Hand trucks horticultural. Technical conditions
GOST 23982-85	Machines for applying solid organic fertilizers. General specifications
GOST 26336-97	Tractors, machinery for agriculture and forestry sector, propelled machinery for lawn and gardens. Legend (s) of the elements of control systems, service, and display information
GOST 28708-2001	Small-scale mechanization of agricultural operations. Safety requirements
GOST 30879-2003 (ISO 3795:1989)	Road vehicles, tractors and machinery for agriculture and forestry. Determination of burning materials trim
Standard EN 632-2003	Agricultural machines. Harvesters and forage harvesters. Demands security
Standard EN 690-2004	Agricultural machines. Dispersers of organic fertilizers. Safety requirements
Standard EN 704-2004	Agricultural machines. Balers. Safety
Standard EN 708-2004	Agricultural machines. Machines with mechanized tillage working bodies. Safety requirements
Standard EN 745-2004	Agricultural machines. Rotary mowers and rotary mulchers. Demands security
Standard EN 908-2004	Machinery for agriculture and forestry. Drum machine sprinkler type. Safety requirements
STB ISO 4254-1-2011	Agricultural machines. The requirements of security. Part 1. General requirements
EN ISO 4254-2-2002	Devices for soil liquid ammonia. Safety
EN ISO 4254-6-2005	Tractors and machinery for agriculture and forestry. Technical means of security. Part 6. Equipment for protection of plants

EN ISO 4254-7-2005	Tractors and machinery for agriculture and forestry. Technical means of security. Part 7. Harvesters, forage and cotton
EN ISO 5710-2002	Plants for manure and slurry. Specifications. Safety requirements
EN ISO 11449-2002	Cultivators milling, controlled walking near the operator. Safety requirements and methods of tests
EN ISO 14269-2-2003	Tractors and self-propelled machinery for agriculture and forestry. Environmental operator's station. Part 2. Test method and characteristics of the systems of heating, ventilation and air conditioning air
GOST R 53055-2008	Agricultural and forestry machines with electric drive. General requirements for safety
STB 1679-2006	Row crop cultivators for soil treatment. General specifications
STB EN 14017-2009	Machinery for agriculture and forestry. Machines for solid fertilizers. Safety requirements
STB EN 14018-2009	Machinery for agriculture and forestry. Seeding ranks. Demands security
STB ISO 15077-2010	Tractors and self-propelled machinery, agricultural. The controls statement. Efforts to bring into force, displacement, location and method of administration
STB EN 707-2006	Agricultural machines. Machines for applying liquid fertilizers. Safety requirements
STB EN 1853-2006	Agricultural machines. Trailers Dump. Safety requirements
STB EN 12525-2007	Agricultural machines. Equipment loading loader. Safety requirements
STB EN 12965-2007	Tractors and machinery for agriculture and forestry. PTO shafts (PTO) drive shafts and protective barriers. Demands security
STB EN 13118-2006	Agricultural machines. Machines for harvesting potatoes. Safety requirements
STB EN 13140-2006	Agricultural machines. Machines for sugar and fodder beet. Demands security
STB EN 13448-2007	Machinery for agriculture and forestry. Mowers inter row. Demands security
Machines for livestock, poultry and feed production	
GOST 12.2.042-91	Occupational safety standards system. Machines and equipment for animal husbandry and fodder production. General requirements for safety
GOST 23708-84	Kits for outdoor cultivation and poultry. General specifications
GOST 28098-89	Hammer crusher feed. General technical requirements
STB EN 703-2010	Agricultural machines. Machines for loading, mixing and / or grinding and distribution of silage. Safety requirements
Engines for tractors and agricultural machines	
GOST 20000-88	Diesel tractor and harvester. General specifications
GOST R 52914-2008	Engines tractor and harvester. Vibro-acoustic indicators and test methods
Machines for excavation and drainage works,	

Add: "development and maintenance pits"	
GOST 12.2.130-91	Occupational safety standards system. Shovels. General requirements for safety and ergonomics to the workplace driver and methods of their control
GOST 11030-93	Motor graders. General specifications
GOST 16469-79	Backhoe canal digger. General technical conditions
GOST 23987-80	Backhoe canal digger. Test methods
GOST 26980-95	Shovels. General technical conditions
GOST 27250-97 (ISO 3411-95)	Earth-moving machinery. Anthropometric data of operators and minimum working space around the operator
GOST 27258-87 (ISO 6682-86)	Earth-moving machinery. Comfort zone and reach of government
GOST 30035-93	Scrapers. General specifications
GOST 30067-93	Shovels, versatile fully steerable. General specifications
GOST 30688-2000 (ISO 8643-97)	Earth-moving machinery. Hydraulic excavators and backhoe loaders. The device limits the speed of lowering the boom. Requirements and test methods
GOST 30697-2000 (ISO 10968-95)	Earth-moving machinery. Operator Controls
EN ISO 3164-2002	Earth-moving machinery. Protective devices. Characteristics of limit deformation under laboratory
EN ISO 3450-2002	Earth-moving machinery. Brakes wheeled vehicles. Performance requirements and methods of test
EN ISO 5006-3-2000	Earth-moving machinery. Visibility from the workstation operator. Part 3. Criteria
EN ISO 6405-1-2000	Earth-moving machinery. Symbols for bodies control and display units. Part 1. Common symbols
EN ISO 6405-2-2000	Earth-moving machinery. Symbols for bodies control and display units. Part 2. Special characters for cars, work equipment and accessories
EN ISO 9244-2001	Earth-moving machinery. Safety and symbolic images of danger. The basic principles
EN ISO 10263-4-2000	Earth-moving machinery. Working environment seat. Part 4. Method of test systems, ventilation, heating and (or) air conditioning
EN ISO 10263-5-2000	Earth-moving machinery. Working environment seat. Part 5. Test Method defrost the windshield
EN ISO 10265-2000	Earth-moving machinery. Tracked vehicles. Performance requirements and test methods for brake systems
EN ISO 10570-97	Earth-moving machinery. Device locking articulated frame. Technical requirements
EN ISO 11112-2000	Earth-moving machinery. The operator's seat. Dimensions and specifications
EN ISO 12508-2000	Earth-moving machinery. The workplace of the operator and the service area. Blunted edges
EN ISO 12509-2000	Earth-moving machinery. Lighting devices, signaling, marking and retro reflective

ISO 3449-2009	Earth-moving machinery. Protection devices falling objects. Laboratory tests and technical requirements
GOST R ISO 3471-2009 (01.01.2011)	Earth-moving machinery. Protection devices for rollover. Technical requirements and laboratory testing
ISO 5010-2009	Earth-moving machinery. Steering wheel machines
ISO 12117-2009	Earth-moving machinery. Protection device for overturning (TOPS) for mini-excavators. Laboratory tests and technical requirements
STB EN 12643-2007	Earth-moving machinery. Pneumatic machines. Technical requirements for steering control
STB EN 474-1-2003	Earth-moving machinery. Safety. Part 1. General requirements
STB EN 474-2-2003	Earth-moving machinery. Safety. Part 2. Requirements to bulldozers
STB EN 474-3-2003	Earth-moving machinery. Safety. Part 3. Requirements for loaders
STB EN 474-4-2003	Earth-moving machinery. Safety. Part 4. Requirements for backhoe loaders
STB EN 474-5-2003	Earth-moving machinery. Safety. Part 5. Requirements for hydraulic excavators
STB EN 474-6-2003	Earth-moving machinery. Safety. Part 6. Requirements earth transporter
STB EN 474-7-2003	Earth-moving machinery. Safety. Part 7. Requirements for scrapers
STB EN 474-8-2004	Earth-moving machinery. Safety. Part 8. Requirements GRADERS
STB EN 474-10-2004	Earth-moving machinery. Safety. Part 10. Requirements trencher
STB EN 474-11-2004	Earth-moving machinery. Safety. Part 11. Requirements for Compaction
STB ISO 2867-2009	Earth-moving machinery. Access Systems
STB ISO 2860-2001	Earth-moving machinery. Minimum dimensions of manholes
STB ISO 3457-2006	Earth-moving machinery. Protective devices. Terms, definitions and specifications
STB ISO 6683-2006	Earth-moving machinery. Seat belts and place of attachment. Technical requirements and methods of test
GOST R 52148-2003	Skid Steer small. General specifications
EN ISO 10532-2000	Earth-moving machinery. Towing device. Requirements
Road machine, equipment for making mixes	
GOST 12.2.011-75	Occupational safety standards system. Machine building and road. General requirements for safety
GOST 16349-85	Mixers cyclical for building materials. Specifications
GOST 27336-93	Concrete pumps. General specifications

GOST 27338-93	Concrete installation mechanized. General specifications
GOST 27339-93	Truck mixers. General specifications
GOST 27614-93	Cement trucks. General specifications
GOST 27811-95	Asphalt distributors. General specifications
GOST 27816-88	Pavers. Test methods
GOST 21915-93	Pavers. General specifications
GOST 27945-95	Installing asphalt. General specifications
STB EN 536-2007	Road-building machinery. Installing asphalt. Safety requirements
STB EN 13020-2008	Machines for the application, repair and maintenance of road surfaces. Safety requirements
STB EN 500-1-2003	Road mobile machinery. Safety. Part 1. General requirements
STB EN 500-2-2004	Road mobile machinery. Safety. Part 2. Special requirements for cold milling
STB EN 500-4-2004	Road mobile machinery. Safety. Part 4. Special requirements for machinery for soil compaction
STB EN 13019-2006	Machines for cleaning pavements. Demands security
STB EN 13021-2006	Machines for winter road maintenance. Demands security
STB EN 13524-2007	Machines for road maintenance. Safety
GOST R 51666-2000	Mills Road cold self. General specifications
GOST R 52156-2003	Propelled road rollers. General technical conditions
GOST R 51922-2002	Vibrating plate sealing. General specifications
Construction equipment and machinery	
GOST 12.2.010-75	Occupational safety standards system. Machine hand, pneumatic. General requirements for safety
GOST 12.2.011-75	Occupational safety standards system. Machine building and road. General requirements for safety
12.2.013.3-2002 Standard (IEC 60745-2-3:1984)	Hand-held electric machine. Particular requirements and test methods of grinding, circular grinding and polishing machines with a rotary motion of the working tool
Standard 12.2.030-2000	Occupational safety standards system. Machine manual. Noise characteristics. Norm. Methods of testing
GOST 10037-83	Autoclaves for the construction industry. Specifications
GOST 10084-73	Hand-held electric machine. General technical conditions
GOST 12633-90	Machine manual pneumatic rotary action. General specifications
GOST 17770-86	Machine manual. Requirements for vibration characteristics
GOST 12633-90	Machine manual pneumatic rotary action. General specifications
GOST 26055-84	Manipulators for construction works. General requirements
GOST 27336-93	Concrete pumps. General specifications

GOST 27338-93	Concrete installation mechanized. General specifications
GOST 27339-93	Truck mixers. General specifications
GOST 27614-93	Cement trucks. General specifications
GOST 29168-91	Mast Lifts cargo building. Specifications
GOST 30505-97 (IEC 745-2-15-84)	Hand-held electric machine. Particular requirements and test methods for machines trimming hedges and Rider
GOST 30699-2001 (IEC 745-2-17-89)	Hand-held electric machine. Particular requirements and test methods of milling machines and machines for edges
GOST 30700-2000 (IEC 745-2-7-89)	Hand-held electric machine. Particular requirements and test methods submachine guns flammable liquids
GOST 30701-2001 (IEC 745-2-16-93)	Hand-held electric machine. Particular requirements and test methods Staple Machines
GOST IEC 61029-1-2002	Portable electric machines. General safety requirements and test methods
GOST IEC 1029-2-4-2002	Portable electric machines. Particular safety requirements and test methods desktop grinders
GOST IEC 1029-2-6-2002	Portable electric machines. Particular safety requirements and test methods for machines for drilling diamond drills with water supply
GOST IEC 1029-2-7-2002	Portable electric machines. Particular safety requirements and test methods for diamond saws with water supply
GOST IEC 1029-2-8-2002	Portable electric machines. Particular safety requirements and test methods for single spindle vertical mill-model cars
GOST IEC 1029-2-9-2002	Portable electric machines. Particular safety requirements and test methods for miter saws
GOST 50615-93 (IEC 745-2-12-82)	Hand-held electric machine. Particular requirements and test methods deep vibrators
GOST 50637-94 (IEC 745-2-9-84)	Hand-held electric machine. Particular requirements and test methods threading machines for internal threads
GOST 50906-96	Pile-driving equipment. General requirements for safety
GOST 50950-96	Construction front loaders with telescopic boom. General technical conditions
GOST 51041-97	Pile driving hammers. General specifications
GOST 51363-99	Vibrators and pole extractor General specifications
GOST R 51601-2000	Construction shovel loaders. General specifications
GOST R 51602-2000	Copra for piling. General technical conditions
GOST R 51803-2001	Mobile belt conveyor construction. General specifications
IEC 1029-2-1-95	Portable electric machines. Particular safety requirements and test methods for circular saws
IEC 1029-2-2-95	Portable electric machines. Particular safety requirements and test methods for radial rigidity saws

IEC 1029-2-3-96	Portable electric machines. Particular safety requirements and test methods for planing and thickening machines
IEC 1029-2-5-96	Portable electric machines. Particular safety requirements and test methods for band saws
IEC 60745-1-2009 (from 01.01.2011)	Hand-held electric machine. Security and test methods. Part 1. General requirements
IEC 60745-2-1 - 2006 = STB IEC 60745 - 02/01/2006	Hand-held electric machine. Security and test methods. Part 2-1. Particular requirements for drilling and hammer drilling machines
IEC 60745-2-4 - 2008	Hand-held electric machine. Security and test methods. Part 2-4. Particular requirements for surface grinding and belt grinding machines
IEC 60745-2-5 - 2007 = STB IEC 60745-2 -5-2006	Hand-held electric machine. Security and test methods. Part 2-5. Particular requirements for disc saws
IEC 60745-2-6 - 2007	Hand-held electric machine. Security and test methods. Part 2-6. Particular requirements for hammers and drills
IEC 60745-2-8 - 2009 (01.01.2011)	Hand-held electric machine. Security and test methods. Part 2-8. Particular requirements for sheet metal shears
IEC 60745-2-11 - 2008	Hand-held electric machine. Security and test methods. Part 2-11. Particular requirements for saws with reciprocating tool (jigsaw and reciprocating saws)
IEC 60745-2-14 - 2007	Hand-held electric machine. Security and test methods. Part 2-14. Particular requirements for planers
STB 1208-2000	Machine construction and finishing. General requirements for safety. Test methods
STB EN 12158-1-2008	Lifts construction trucks. Part 1. Hoists with accessible platforms
STB EN 12158-2-2008	Lifts construction trucks. Part 2. Inclined hoists with inaccessible Forklift
STB EN 12159-2010	Construction lifts cargo from the vertical movement of the cab
STB EN 792-1-2007	Non-electric hand-held machine. The requirements of security. Part 1. Machines for attaching components without thread
STB EN 792-2-2007	Non-electric hand-held machine. The requirements of security. Part 2. Cutting and crimping machine
STB EN 792-3-2007	Non-electric hand-held machine. The requirements of security. Part 3. Machines for drilling and tapping
STB EN 792-4-2006	Non-electric hand-held machine. The requirements of security. Part 4. Machine Drums
STB EN 792-5-2006	Non-electric hand-held machine. The requirements of security. Part 5. Car shock- rotational
STB EN 792-6-2006	Non-electric hand-held machine. The requirements of security. Part 6. Machines rib bending machine
STB EN 792-7-2007	Non-electric hand-held machine. The requirements of security. Part 7. Sanders
STB EN 792-8-2007	Non-electric hand-held machine. The requirements

	of security. Part 8. Machine polishing and grinding
STB EN 792-9-2007	Non-electric hand-held machine. The requirements of security. Part 9. Trimming Machine
STB EN 792-10-2007	Non-electric hand-held machine. The requirements of security. Part 10. Machines rib bending machine
STB EN 792-11-2007	Non-electric hand-held machine. The requirements of security. Part 11. Scissors and cutting scissors
STB EN 792-12-2007	Non-electric hand-held machine. The requirements of security. Part 12. Saw compact disc and oscillating back and forward action
STB EN 792-13-2007	Non-electric hand-held machine. The requirements of security. Part 13. Machines for driving fasteners
STB IEC 60745-2-2-2006	Hand tools, electromechanical. Safety. Part 2-2. Additional requirements for Screwdrivers and impact wrenches shock-rotational action
STB EN 12001-2008	Machines for transportation, use and distribution of concrete and mortar mixes. Safety
Equipment for construction materials	
GOST 12.2.100-97	Machinery and equipment for clay and silica brick, ceramic and asbestos-cement products. General requirements for safety
GOST 6937-91	Cone. General technical requirements
GOST 7090-72	Hammer crusher-rotor. Technical conditions
GOST 9231-80	Twin shaft paddle mixers. Technical conditions
GOST 10141-91	Rod mill and ball. General technical requirements
GOST 12367-85	Tube mill grinding machines. General specifications
GOST 12375-70	Crushers single-rotor large crushing. Specifications
GOST 12376-71	Crushers single-rotor medium and fine crushing. Specifications
GOST 27412-93	Jaw. General specifications
GOST 27636-95	Equipment stone mining and stone processing. General specifications
GOST 30540-97	Equipment for production of autoclaved aerated concrete. General requirements and methods of control
GOST 27636-95	Equipment stone mining and stone processing. General specifications
GOST 28122-95	Machines Natural Stone grinding and polishing. Technical requirements and methods of control
GOST 28541-95	Stone saw machines. General technical requirements and methods of control
GOST 30369-96	Stone saw machines. General technical requirements and methods of control
Manufacturing equipment for logging, and timber rafting timber yard	
GOST 12.2.102-89	Occupational safety standards system. Machinery and equipment and logging timber, timber tractors. Requirements of safety, quality monitoring requirements of security and safety assessment
GOST 12.2.104-84	Occupational safety standards system. tool for mechanized harvesting. General requirements for safety

GOST 15594-80	Loggers tracked jaw toggle type. Specifications
GOST 30506-97 (IEC 745-2-13-89)	Hand-held electric machine. Particular requirements and test methods of chain saws
GOST 30723-2001 (ISO 6533-93, ISO 6534-92)	Machinery for forestry. Saws gasoline-powered chainsaws. Protective devices front and rear handles. Size and strength
GOST 31183-2002 (ISO 11806:1997)	Machinery for forestry. Brush cutters and brush cutters gasoline-powered. The requirements of security. Test methods
EN ISO 4254-4-2002	Skidding winch. Safety requirements
EN ISO 7914-2002	Machinery for forestry. Chainsaws portable. Ground clearance and size of arms
EN ISO 7918-2002	Machinery for forestry. Brush cutters gasoline-powered. Protective device disk blade. Measurements
Standard IEC 60335-2-77 - 2002	Safety of household and similar electrical appliances. Additional requirements for manually operated lawn mowers and methods of test
GOST 50060-98	Chain Saws gasoline. The requirements of security. Test methods
GOST R 51754-2001	Machinery and equipment for the lower timber depots. The requirements of security. Control methods
GOST R 52291-2004	Forklift timber. Work- type manipulator. General specifications
ISO 8082-2005 = STB ISO 8082-2004	Self-propelled machinery for forestry. Protection devices rollover. Technical requirements and test methods
ISO 8083-2008	Self-propelled machinery for forestry. Protection devices falling objects. Technical requirements and test methods
ISO 8084-2005	Machines for wood. Protection device operator. Requirements and test methods
ISO 11169-2000 = STB ISO 11169-2001	Tractors for timber industry and forestry wheeled machine harvesting and silvicultural wheel. Requirements for performance and test methods for brake systems
ISO 11448-2002	Shredders and crushers with autonomous mobile drive. Safety requirements and methods of tests
ISO 11512-2000 = STB ISO 11512-2001	Tractors for timber industry and forestry crawler machine harvesting and silvicultural tracked. Requirements for performance and test methods for brake systems
ISO 11850-2005	Self-propelled machinery for forestry. Demands security
ISO 15078-2002 = STB ISO 15078-2006	Forklift timber. The location and order of movement of two-lever control
STB EN 609-1-2007	Machinery for agriculture and forestry. Safety of machinery. Part 1. Machines woodpile Wedge
STB EN 609-2-2007	Machinery for agriculture and forestry. Safety of machinery. Part 2. Machine Screw woodpile
STB EN 13525-2007	Machinery for forestry. Machines for wood cutting. Safety requirements
STB EN 14861-2007	Machine harvesting. Self-propelled machines. Safety
Machines for urban municipal services (operating equipment)	

STB EN 1501-1-2007	Garbage. General requirements and safety requirements. Part 1. Garbage trucks with rear loading
STB EN 1501-2-2008	Garbage. General requirements and safety requirements. Part 2. Garbage trucks with side-loading
STB GOST R 50631-2002	Machines for city utilities and road maintenance. Special requirements security
Industrial-type laundry equipment	
GOST 12.2.084-93 (ISO 6178-83)	Machinery and equipment for laundries and dry cleaners. General requirements for safety
GOST 27457-93	Industrial washing machines. General specifications
Equipment for dry-cleaning and dyeing of clothes and household goods	
GOST 12.2.084-93 (ISO 6178-83)	Machinery and equipment for laundries and dry cleaners. General requirements for safety
GOST 51361-99 (ISO 8232-88)	Closed-loop machine for dry cleaning clothes. Test methods
GOST 51362-99 (ISO 7000-89)	Machines for cleaning clothes. Symbols graphical controls and other devices
Industrial fans	
GOST 5976-90	Radial Fans for general purposes. General specifications
GOST 9725-82	Centrifugal fans blowing boilers. General specifications
GOST 6625-85	Fans of the local mine ventilation. Specifications
GOST 11004-84	Fans of the main mine ventilation. Specifications
GOST 11442-90	Axial Fans for general purposes. General specifications
GOST 24814-81	Radial roof fans. General specifications
GOST 24857-81	Axial roof fans. General technical conditions
GOST 31350-2007 (ISO 14694:2003)	Vibration. Industrial fans. Requirements for manufactured vibration and balance quality
Industrial conditioners	
GOST 30646-99	Central air conditioners for general use. General specifications
Standard IEC 60335-2-40 - 2010	Household and similar electrical appliances. Safety. Part 2-40. Additional requirements for electrical heat pumps, air-conditioners and dehumidifiers
STB EN 14511-4-2009	Air conditioners, liquid cooling units and heat pumps with electric compressors for space heating and cooling. Part 4. Requirements
Heaters and air coolers	
GOST 31284-2004	Heaters for industrial and agricultural enterprises. General specifications
GOST R 51625-2000	Gas using industrial equipment. Heaters mixing. General technical requirements
GOST 50670-94	Gas using industrial equipment. Heaters. General technical requirements
Steam-water heaters	

GOST 28679-90	Heaters steam-heating systems. General specifications
GOST 28757-90	Warmer vapor recovery systems turbine power station. General specifications
Manufacturing equipment for light industry (excluding spare parts)	
GOST 12.2.123-90	Occupational safety standards system. Car mats. General requirements for safety
GOST 12.2.138-97	Occupational safety standards system. Machine clothing industry. Safety requirements and test methods
GOST 6737-80	Tape machines for cotton and chemical fibers. General specifications
GOST 9193-77	Warping machine. Specifications
GOST 12167-82	Shuttleless weaving machines with small tracer duck. General specifications
GOST 19716-81	Automatic weaving machines pneumatic. General specifications
GOST 24824-88	Ironing presses. Basic dimensions, performance requirements and test methods
GOST 27126-86	Automated assembly line of shoes glue the bottom of the method of attachment. General technical requirements
GOST 27274-87	Tanning machine wringers. Types, basic parameters, dimensions and specifications
GOST 27288-87	Industrial sewing machines. General technical requirements
GOST 27295-87	Machine knitting. Technical requirements and test methods
GOST 27443-87	Leather fleshing machine. Basic parameters and dimensions, specifications
STB 1357-2002	Industrial sewing machines. General technical conditions
Technological equipment for the textile industry	
GOST 12.2.123-90	Occupational safety standards system. Car mats. General requirements for safety
GOST 12.2.138-97	Occupational safety standards system. Machine clothing industry. Safety requirements and test methods
GOST 6737-80	Tape machines for cotton and chemical fibers. General specifications
GOST 9193-77	Warping machine. Specifications
GOST 12167-82	Shuttleless weaving machines with small tracer duck. General specifications
GOST 19716-81	Automatic weaving machines pneumatic. General specifications
Technological equipment for the production of chemical fibers, glass fibers and asbestos fibers	
GOST 6737-80	Tape machines for cotton and chemical fibers. General specifications

Processing equipment for the food, dairy and fish industry	
GOST 12.2.124-90	Occupational safety standards system. Equipment food. General requirements for safety
GOST 12.2.135-95	Equipment for processing of products in the meat and poultry industry. Common methods of security, sanitation and environment
GOST 3347-91	Centrifugal pumps for liquid dairy products. General specifications
GOST 12027-93	Installation with plate heat exchange devices for liquid food. Technical requirements, safety requirements
GOST 18518-80	Packaging machines for dry food products in paper and paperboard consumer packaging. General specifications
GOST 20258-95	Washing machines for glass containers. General technical requirements and test methods
GOST 21253-75	Machines filling and dosing and filling for liquid food products. Specifications
GOST 24885-91	Centrifugal separator liquid. General specifications
GOST 26582-85	Machinery and equipment, foodstuffs. General specifications
GOST 28107-89	Machines for mixing meat. Basic parameters, technical requirements and methods of test
GOST 28110-89	Apparatus for making curd. Requirements
GOST 28112-89	Machinery for the extraction of the boxes and putting in boxes of bottles. Types, basic parameters and technical requirements
GOST 28531-90	Presses for cheese. Technical requirements
GOST 28532-90	Tops. General technical requirements
GOST 28535-90	Equipment for automatic chemical cleaning machines for the dairy industry and dairy systems. Basic parameters and general technical requirements
GOST 28693-90	Manufacturing equipment for the meat and poultry industry. Sanitary requirements
GOST 29065-91	Containers for milk and dairy products. General specifications
GOST 30146-95	Machinery and equipment for production of sausage products and meat preparations. General specifications
GOST 30150-96	Automatic labellers. General technical requirements and test methods
GOST 30316-95	Lines and equipment for packaging liquid food products in glass bottles. General specifications
GOST 50612-93	Machinery and equipment for the production of sugar. Safety
GOST 50620-93	Machinery and equipment for the baking industry. Safety requirements
GOST R 53140-2008 (EN 12043:2000)	Machinery and equipment for the food industry. Cases for proofing. Specifications
GOST R 53473-2009 (EN 12041:2000)	Machinery and equipment for the food industry. Machines dough sheeting. Specifications
GOST R 53474-2009	Machinery and equipment for the food industry. Band saws. Technical

(EN 12268:2003)	conditions
GOST R 53475-2009 (EN 12267:2003)	Machinery and equipment for the food industry. Circular saws. Technical conditions
GOST R 53476-2009 (EN 13871:2005)	Machinery and equipment for the food industry. Machines for cutting meat. Specifications
GOST R 53477-2009 (EN 1674:2000)	Machinery and equipment for the food industry. Machines dough sheeting Specifications
GOST R 53478-2009 (EN 453:2000)	Machinery and equipment for the food industry. Dough-mixing machines. Specifications
STB EN 1672-2-2008	Food processing equipment. Guidelines. Part 2. Hygiene requirements
STB EN 1678-2008	Machines for food processing. Machines vegetable cutter universal. Requirements of health and safety
STB EN 12463-2010	Food processing equipment. Filling machines and ancillary equipment. Safety and hygiene requirements
STB EN 12852-2009	Food processing equipment. food processors and blenders. Requirements of health and safety
STB EN 12855-2008	Food processing equipment. Cutters with rotating bowl. Requirements of health and safety
STB EN 13951-2009	Equipment food and agriculture. Pumps for liquid products. Safety requirements and rules design
STB EN 453-2004	Machines for food processing. Machine dough. Safety and hygiene
STB EN 454-2004	Machines for food processing. Agitators Planetary. Safety and hygiene requirements
STB EN 12853-2007	Machines for food processing. Blenders and hand-held beater. Safety requirements and hygiene
STB EN 454-2004	Machines for food processing. Mixers Planetary. Safety and hygiene requirements
STB EN 12853-2007	Machines for food processing. Blenders and hand whisk. Safety and hygiene
STB EN 12854-2007	Machines for food processing. Mixers balancer. Safety and hygiene requirements
Technological equipment for milling, feed and elevator industry, fertilizer industry and poisonous chemicals	
GOST 12.2.124-90	Occupational safety standards system. equipment food. General requirements for safety
GOST 18518-80	Packaging machines for dry food products in paper and paperboard consumer packaging. General specifications
GOST 26582-85	Machinery and equipment, foodstuffs. General specifications
GOST 27962-88	Technological equipment for milling companies. General specifications
Technological equipment for the trade and public food and nutrition units	
GOST 12.2.092-94	Occupational safety standards system. electromechanical equipment and Electric heating for businesses catering. General technical requirements

	and test methods
GOST 14227-97	Dish washing machines. General specifications
GOST 27440-87	Apparatus for dispensing chilled beverages for catering. Types, requirements and test methods
GOST 12.2.142-99	Occupational safety standards system. System refrigeration cooling capacity than 3.0kW. Safety requirements
GOST 22502-89	Condensing unit with hermetic refrigeration compressors for commercial refrigeration equipment. General specifications
GOST 23833-95	Commercial refrigeration equipment. General specifications
GOST 27570.0-87	Safety of household and similar electrical appliances. General requirements and test methods
27570.34-92 Standard (IEC 335-2-36-86)	Safety of household and similar electrical appliances. Particular requirements for electric cooking ranges, ovens and burners for catering
27570.36-92 Standard (IEC 335-2-38-86)	Safety of household and similar electrical appliances. Particular requirements for electrical apparatus contact handling products with one and two heating surfaces for businesses catering
27570.41-92 Standard (IEC 335-2-48-88)	Safety of household and similar electrical appliances. Particular requirements for commercial electric grillers and toasters for public supply
27570.42-92 Standard (IEC 335-2-49-88)	Safety of household and similar electrical appliances. Particular requirements for electrical equipment model for public supply
27570.43-92 Standard (IEC 335-2-50-89)	Safety of household and similar electrical appliances. Particular requirements for electric warmers for catering
27570.51-95 Standard (IEC 335-2-62-90)	Safety of household and similar electrical appliances. Particular requirements for rinsing baths with electric heating for businesses catering
27570.52-95 Standard (IEC 335-2-63-91)	Safety of household and similar electrical appliances. Particular requirements for electric immersion heaters and electric water heaters for liquids businesses catering
27570.53-95 Standard (IEC 335-2-64-91)	Safety of household and similar electrical appliances. Particular requirements for commercial electric kitchen machines for public supply
GOST 27684-88	Electric warmers for businesses catering. General technical requirements and test methods
GOST 50704-94	Household devices kitchen with manual transmission. Safety requirements and test methods
GOST 51366-99 (IEC 60335-2-39-94)	Safety of household and similar electrical appliances. Particular requirements for electric universal pan for businesses catering
GOST 51367-99 (IEC 60335-2-42-94)	Safety of household and similar electrical appliances. Particular requirements for electric cabinet with forced air circulation, aids and steam cooker, steam-convection ovens for businesses

	catering
GOST 51373-99 (IEC 60335-2-47-95)	Safety of household and similar electrical appliances. Particular requirements for electric food kettles for businesses catering
GOST 51374-99 (IEC 60335-2-58-95)	Safety of household and similar electrical appliances. Particular requirements for commercial electric dishwashing machines for catering
GOST 51375-99 (IEC 60335-2-37-94)	Safety of household and similar electrical appliances. Particular requirements for commercial electric deep fryers for public supply
GOST 12.2.142-99	Occupational safety standards system. System refrigeration cooling capacity than 3.0 kW. Safety requirements
GOST 51360-99	Refrigeration compressors. Safety requirements and test methods
GOST R 52161.1-2004	Safety of household and similar electrical appliances. Part 1. General requirements
IEC 335-1-94	Safety of household and similar electrical appliances. General requirements and test methods
GOST 52161.2.24-2007	Safety of household and similar electrical appliances. Part 2.24. Particular requirements for refrigerating appliances, ice-cream and apparatus for the production of ice
GOST 52161.2.34-2009 (from 01.01.2011)	Safety of household and similar electrical appliances. Part 2.34. Particular requirements for motor-compressors
GOST 19930-91	Household sewing machines. General technical conditions
GOST 28116-95	Functional capacity for businesses catering. Main connection dimensions and technical requirements.
Products of cultural and community use and household appliances	
GOST 19930-91	Household sewing machines. General technical conditions
GOST 50660-94	Hand knitting machines. Safety requirements and test methods
GOST 52161.2.28-2009 (from 01.01.2011)	Safety of household and similar electrical appliances. Part 2.28. Particular requirements for sewing machines
GOST 19930-91	Household sewing machines. General technical conditions
Polygraph equipment	
STB 1568-2005	Occupational safety standards system. Polygraph equipment. Requirements and test methods
GOST 12.2.133-97	Occupational safety standards system. Polygraph equipment. Requirements and test methods
GOST R EN 1010-1-2009	Polygraph equipment. Requirements for safety design and manufacturing. Part 1. General requirements
GOST R EN 1010-3-2009	Polygraph equipment. Requirements for safety design and manufacturing. Part 3. Slicers

Manufacturing equipment for glass, porcelain, earthenware and cable industry (excluding spare parts)	
GOST 12.2.015-93	Machinery and equipment for the glass industry. General requirements for safety
Fasteners engineering application	
GOST 1759.0-87	Bolts, screws, studs and nuts. General technical conditions
GOST 1759.1-82	Bolts, screws, bolts, nuts and screws. Tolerances. Methods to control the size and shape deviations, and the surfaces
ISO 4759-1-2009	Fasteners. Tolerances. Part 1: Bolts, screws, studs and nuts. Accuracy classes A, B and C
GOST 1759.2-82	Bolts, screws and studs. Surface defects and methods of control
ISO 6157-1-2009	Fasteners. Surface defects. Part 1. Bolts, screws and studs general
GOST 1759.3-83	Nuts. Surface defects and methods of control
ISO 6157-2-2009	Fasteners. Surface defects. Part 2. Nuts
GOST 1759.4-87	Bolts, screws and studs. Mechanical properties and test methods
GOST R 52627-2006 (ISO 898-1:1999)	Bolts, screws and studs. Mechanical properties and test methods
GOST 1759.5-87	Nuts. Mechanical properties and methods of control
GOST R 52628-2006 (ISO 898-2:1992, ISO 898-6:1994)	Nuts. Mechanical properties and test methods
ISO 2320-2009	Self-steel nuts. Mechanical and performance properties
GOST 25556-82	Set screws. Mechanical properties and test methods
ISO 898-5-2009	Mechanical properties of fasteners made of carbon steel and alloy steel. Part 5. Set screws and similar threaded fasteners not under tensile stress
GOST 10618-80	Self-tapping screws for metal and plastic. General specifications
ISO 2702-2009	Self-tapping screws are heat-treated steel. Mechanical Properties
GOST 1147-80	Screws. General specifications
GOST 10304-80	Rivets accuracy classes B and C. General specifications
GOST 12644-80	Tubular rivets and semi-tubular. General specifications
GOST 14803-85	Rivets (high precision). General specifications
ISO 14589-2005	Rivets "blind." Mechanical tests
GOST 18123-82	Washers. General specifications
ISO 4759-3-2009	Fasteners. Tolerances. Part 3. Flat round washers for bolts, screws and nuts. Classes A and C accuracy
GOST 10461-81	Washers with teeth. General technical conditions

GOST 6402-70	Spring washers. Specifications
GOST 397-79	Cotter pins. Specifications
Rolling Bearing	
Standard 520-2002 (ISO 492-94, ISO 199- 97)	Bearings. General specifications
GOST 10058-90	Single-row deep groove ball bearings for appliances. Specifications
GOST 20821-75	P Ball thrust bearings double row with a contact angle of 60 °. Technical conditions
GOST 3635-78 (ISO 6124-1-82, ISO 6124-2-82, 6124-3-82 ISO, ISO 6125-82)	P pivot bearings. Specifications
GOST 4060-78	P needle roller bearings with an outer ring pressed. Technical conditions
GOST 24310-80	N Rolling. Bearings Radial needle roller and cage. Technical conditions
GOST 26676-85	Thrust roller bearings with single needle roller and cage. Technical conditions

Members of the Coordinating Committee for Technical Regulation, the application of sanitary, veterinary and phytosanitary measures, and authorized representatives of the Parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	
	VN Roots		RA Satbaev		VY Salamatov
	VM Kazakevich		SS Khasenov		ON Aldoshin
	IA Zastenskaya		NO Sadvakasov		AL Safonov
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The experts of the Parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	

TECHNICAL REGULATIONS CUSTOMS UNION
TS TS 010/2011
"The safety of machines and equipment"
Foreword

1. This technical regulation was developed in accordance with the Agreement on common principles and rules of technical regulation in the Republic of Belarus, the Republic of Kazakhstan and the Russian Federation on November 18, 2010

2. This technical regulation is designed to establish a single customs territory of the Customs Union, a mandatory for the application and enforcement of the requirements for the machines and (or) equipment in the development (design), manufacturing, installation, commissioning, operation, storage, transportation, marketing and utilization, maintenance the free movement of vehicles and (or) equipment put into circulation in the common customs territory of the Customs Union.

3. If, in respect of machines and (or) equipment will be accepted other technical regulations of the Customs Union, the technical regulations of the Eurasian Economic Community (hereinafter - EEC) establishing requirements for the machines and (or) equipment, the machines and (or) equipment shall meet the requirements of these technical regulations of the Customs Union, EurAsEC, the action of which they are subject.

Article 1. Sphere of application

1. This technical regulation applies to machines and (or) equipment, manufactured in circulation at the common customs territory of the Customs Union.

2. This technical regulation establishes minimum requirements for the safety of machines and (or) equipment in the development (design), manufacturing, installation, commissioning, operation, storage, transportation, marketing and utilization in order to protect human life or health, property, the environment, the life and health of animals, prevent actions that mislead consumers.

3. This technical regulation applies to machines and (or) equipment, which were revealed and identified hazards, requirements for the elimination or reduction of which are set according to the N 1 and N 2 .

4. This technical regulation shall not apply to the following types of machines and (or) equipment:

- Machines and (or) equipment related to ensuring the integrity and sustainability of the networks and the radio frequency spectrum;

- Machines and (or) equipment used for medical purposes and used in direct contact with the patient (X-ray, diagnostic, therapeutic, orthopedic, dental, surgical equipment);

- Machines and (or) equipment specifically designed for use in the field of nuclear energy. On machinery and (or) equipment for general industrial use, used in the field of nuclear energy, the effect of these technical regulations apply to the extent not contrary to the requirements for nuclear and radiation safety;

- Wheeled vehicles, other than those stated on their machines and (or) equipment;

- Sea and river transport vehicles (ships and craft, including those used for their machines and (or) equipment);

- Aircraft and spacecraft;

- Rolling stock and facilities specifically designed for use on the railways and underground;

- Attractions;

- Weapons and military equipment;

- Machines and (or) equipment intended for use by persons with disabilities;
- Agricultural and forestry tractors and trailers, other than those stated on their machines and (or) equipment;

- Drilling platforms, other than those on which machinery and (or) equipment.

5. The action of this technical regulation applies to machines and (or) equipment used at hazardous production facilities.

6. If risks from machines, and (or) equipment, fully or partially installed in other technical regulations of the Customs Union, EurAsEC, the machines and (or) equipment must comply with the technical regulations of the Customs Union, EurAsEC, the action of which they are subject.

7. When identifying the machines and (or) equipment are mapping specific machines and (or) equipment design or their description, as which can be used standards referred to in paragraph 1 of Article 6 of these technical regulations, classifications, specifications and drawings, specifications, operational documentation.

8. Safety requirements for certain categories of machinery and equipment installed according to Annex N 2 .

Article 2. Definitions

1. This technical regulation, the following terms and their definitions:

"Accident" - the destruction of or damage to the machine and (or) equipment, the development of the operation of machines and (or) equipment uncontrolled explosion and (or) release of hazardous and noxious substances;

"Acceptable risk" - meaning the risk from the use of machines and (or) equipment based on the technical and economic capacity of the manufacturer, the appropriate level of security, which should be available at all stages of the product life cycle;

"Life cycle" - the period of time from the beginning of designing machines and (or) equipment to complete recovery, including interlinked stages (design, manufacture, storage, installation, commissioning, operation, including modernization, renovation, maintenance and service);

"Incident" - the refusal machines and (or) equipment, the deviation of the mode of production process;

"Critical failure" - the refusal machines and (or) equipment, the consequences of which is causing injury to life or health, property, the environment, life and health of animals and plants;

"Machine" - a series of linked parts or components, of which at least one part or one node moves with the appropriate actuators, control circuits, power sources, grouped together for a specific application (eg, treatment, processing, handling or packaging material);

"Mobile power tools" - tractors, universal power tools Motor vehicle chassis;

"Designated resource" - the total time above which the operation of the machine and (or) equipment must be stopped, regardless of their technical condition;

"Working hours" - the duration or amount of the machine and (or) equipment;

"Service life" - calendar duration of the machine and (or) equipment, above which the operation is to be terminated, regardless of their technical condition;

"Designated shelf life" - calendar duration of storage of the machine and (or) equipment, above which their storage must be terminated, regardless of their technical condition;

"The use of the machine" - the use of machines and (or) equipment in accordance with the purpose specified by the manufacturer in the operating documents;

"Safety case" - a document analyzing the risks, as well as information from the design, operational, technical documentation about the minimum necessary for the security that accompanies the machine and (or) equipment at all stages of the life cycle, and complemented by a report on the results of the risk assessment stage operation after a major overhaul;

"Equipment" - used alone or installed on the machine technical device, necessary for the performance of its core and (or) additional functions as well as for connecting multiple machines into a single system;

"Failure" - an event that is in violation of working condition of the machine and (or) equipment as a result of structural violations in the design, observing the process of manufacture or repair, neglect of the rules or guidelines (instructions) for use;

"Limit state" - the state machine and (or) equipment in which their continued operation is invalid or impractical or restore their working condition is impossible or impractical;

"Join machine" - mobile, trailer, semi-trailer, mounted and semi-mounted or mounted on a mobile vehicle power machine designed to perform the production and primary processing of agricultural products, etc.;

"Developer" (designer) - a legal or natural person carrying out the process of creating a new type of machinery and equipment, the development of technical documentation for the prototype and prototyping;

"Developer (designer) system" - a legal or natural person carrying out the process of creating the project documentation for the machine system and (or) equipment (production lines, related production cycle);

"Agricultural machine-tractor units" - complex, a combination of mobile power tools with trailer, semi-trailer or mounted machine (or machines) and intended to provide technical agricultural operations;

"System" - a set of machines and (or) equipment, combined constructively and (or) functional to perform the required functions;

"Danger" - a potential source of damage to human life and health, property or the environment;

"Danger zone" - the space in which human exposure to hazards posed by machinery or equipment;

"Risk" - a combination of probability of harm and the consequences of harm to human life or health, property, the environment, life and health of animals and plants.

Article 3. Rules of market

1. Machines and (or) equipment are issued on the market provided that they meet this technical regulation, and other technical regulations of the Customs Union, EurAsEC, the action of which they are subject, and provided that they have passed conformity assessment procedures set out in this technical regulation, and other technical regulations of the Customs Union, EurAsEC, the action of which they are subject.

Machines and (or) equipment, conformity to the requirements of this technical regulation is not confirmed, should not be marked with a mark of one product on the market states - members of the Customs Union and are not allowed to be released into circulation in the common customs territory of the Customs Union.

Article 4. Ensuring the safety of machines and (or) equipment in the development (designing)

1. In the development (design) of the machine, and (or) equipment must be identified potential hazards at all stages of the life cycle.

2. For the identified hazards should evaluate the risk calculation, experimental, or by an expert on these operating similar machines and (or) equipment. Risk assessment can be established in the standards referred to in paragraph 1 of Article 6 of the Technical Regulations.

3. In the development (design) must be determined and set acceptable risk for the machine and (or) equipment. The level of security appropriate to the risks identified, provided:

- Complete research and development activities;
- A complex of necessary calculations and tests, based on verified in the established procedure;
- Choice of materials and substances used in certain types of vehicles, and (or) equipment, depending on the parameters and operating conditions;
- The establishment of the developer (designer) limit state criteria;
- The establishment of the developer (designer) Service life, assigned resources, timing of maintenance, repair and disposal;
- Identify any hazards associated with the possible misuse predictable machines and (or) equipment;
- Restrictions on the use of machines and (or) equipment.

4. If the estimated risk of higher than acceptable, to reduce it to be changed and the project car (or) equipment, without the intervention of staff at all operating conditions of a machine and (or) equipment (if intervention is not provided by management (manual) for use).

5. If it is impossible to achieve the technical characteristics of the machine and (or) equipment that determine acceptable risk, by changing the project, as well as uneconomical in the manual (manual) manual contains information that limits the conditions for the use of the machine and (or) equipment or warning of the need for security measures.

6. In the development (design) of machines and (or) equipment must be installed level of physical factors (noise, infrasound, air and contact ultrasound, local and general vibration, electromagnetic fields), and the levels of a dangerous and hazardous substances to ensure the safety of their operation .

7. In the development (design) of the machine, and (or) equipment should be drafted in a safety case.

Original of the safety of machines and (or) equipment is kept by the developer (designer), and the copy - the manufacturer of machines and (or) equipment and the organization operating the machines and (or) equipment.

8. Development of a manual (manual) Manual is an integral part of the development (design) of the machine, and (or) equipment. Manual (manual) service shall include:

- Information on the construction, operation principle, the characteristics (properties) of machinery and / or equipment;

- Instructions for installation or assembly, setup or adjustment, maintenance and repair of machines and (or) equipment;

- Guidance on the use of machines and (or) equipment and safety measures to be taken when using the machine, and (or) equipment, including start-up, intended use, maintenance and repair of all types, periodic screening, diagnosis, testing, transportation , packaging, preservation and storage conditions;

- Assigned values (designated retention period specified lifetime and (or) the assigned resource), depending on the design features. After the expiry of designated indicators (assigned resource retention, durability) machine and (or) equipment shall be removed from service and the decision to send it in for repair, disposal, verification and establishment of new designated parameters (specified life, shelf life, of life);

- A list of critical failures, possible erroneous personnel actions, which lead to an incident or accident;

- Actions of personnel in the event of an incident, a critical failure or accident;

- The criteria for ultimate limit states;

- Instructions for decommissioning and disposal;

- Information about the qualifications of staff.

9. If the machine and (or) equipment is not designed for use by professional users guide (instruction) manual must consider the knowledge, skills and experience of these users.

Article 5. Ensuring the safety of machines and (or) equipment in the manufacture, storage, transportation, use and disposal

1. In the manufacture of machines and (or) equipment must be provided that they meet the design (design) documentation and present the technical regulations.

2. In the manufacture of machines and (or) equipment manufacturer must perform the full range of security measures, some design (design) documentation, they must also be capable of monitoring the implementation of all technological operations that affect security.

3. In the manufacture of machines and (or) equipment must be carried out tests of the project (design) documentation.

4. In the manufacture of machines and (or) equipment must be provided with the safety requirements set by the project (design) documentation in accordance with the technical regulations, subject to the applicable processes and control systems. Produced by conducting a risk assessment of machines and (or) equipment before release into circulation.

5. Deviations from the project (design) documentation in the manufacture of machines and (or) equipment must be in accordance with the developer (designer). The risk from the use of machines and (or) equipment made at the agreed project (design) documentation should not be higher than acceptable risk set designer (designer).

6. Machine manufacturers and (or) equipment should provide a machine and (or) equipment management (instruction) manual.

7. Machine and (or) equipment shall be clearly legible and indelible warning labels or signs on hazards.

8. Machine and (or) equipment shall be clearly visible clearly and indelibly identification label containing:

- The manufacturer's name and (or) its trademark;
- The name and (or) symbol machines and (or) equipment (type, make, model (if any));
- Month and year of manufacture.

9. If the information listed in paragraph 8 of this Article shall not apply to a machine and (or) equipment, they can only be specified in the attached to this machine, and (or) hardware manual (instructions) for use. In this case, the manufacturer's name and (or) its trademark, name and designation of the machine and (or) equipment (type, make, model (if any)) shall be marked on the packaging.

10. The information referred to in paragraph 8 of this Article shall be in the manual (instructions) for use. In addition, the guide (instruction) manual must contain the name and address of the manufacturer (the person designated by the manufacturer), importer, information to contact them.

11. Manual (manual) Operating performed in Russian and in the state (s) language (s) of the State - a member of the Customs Union with the appropriate requirements of the law (s) of the state (in) - Member (s) of the Customs Union.

Manual (manual) manual runs on paper. To it can be applied to a set of operational documents electronically. Manual (manual) manual that came with the machine and (or) equipment other than domestic use, at the option of the manufacturer can be done only in electronic form.

12. Materials and substances that are used for packaging machines and (or) equipment should be safe.

13. Transportation and storage of vehicles and (or) equipment, their parts and components must take account of the safety requirements stipulated by the project (design) and operational documentation.

14. For maintenance, repair and inspection machines and (or) equipment must comply with the requirements established by management (manual) to operate, program maintenance or repair over the life of the work.

15. Changing the design of the machine and (or) equipment arising from their repair must be agreed with the developer (designer).

16. After overhaul the machine and (or) equipment must be carried out a risk assessment, the importance of which should not be too high. If necessary, develop technical and organizational measures designed to achieve the values of risk tolerance.

17. To repair the machine and (or) equipment that does not meet the requirements of the project (design) documentation should be developed measures to ensure the values in the safety risk given the organization's processes and control systems.

18. The guide (instructions) for use shall be established recommendations for the safe disposal of the machine and (or) equipment.

19. In the design of the machine and (or) equipment in the manual (instructions) for use shall be determined by measures to prevent the misuse of the machine and (or) equipment after the specified life or design life.

Article 6. Compliance with safety requirements

Related machinery and (or) equipment this technical regulation is ensured by its claims directly either fulfillment of the requirements of interstate standards, and in their absence (before the adoption of interstate standards) - the national (state) standards states - members of the Customs Union, the result of which is a voluntary basis, compliance with the technical regulations of the Customs Union, and standards containing rules and methods (tests) and measurements, including the rules of sampling needed to implement and enforce the requirements of the technical regulations of the Customs Union and the implementation of assessment (confirmation) of products (further - the standards) to the appropriate types of machines and (or) equipment.

Implementation of voluntary standards requirements mentioned indicates compliance of machines and (or) equipment safety requirements of the technical regulations.

Article 7. Assessment of compliance

1. Machines and (or) equipment into circulation at the common customs territory of the Customs Union shall be subject to the conformity assessment requirements of these technical regulations.

Conformity assessment of these technical regulations take the form of conformity in the form of state control (supervision).

Machines and (or) used equipment or prepared for their own use of their manufacturers, as well as components and spare parts for machines used for repairs (maintenance) of machines and (or) equipment not be confirmed compliance of these technical regulations.

Article 8. Demonstration of compliance

1. Verification of conformity of machinery and (or) equipment in accordance with standardized procedures adopted by the Commission of the Customs Union.

2. Verification of conformity of machinery and (or) equipment required for this technical regulation takes the form of:

certification by an accredited certification body (assessment (confirmation)) (hereinafter - the certification body), included in the Unified Register of certification bodies and testing laboratories (centers) of the Customs Union;

declaration of conformity based on their own evidence, and (or) obtained with the participation of the certification body or an accredited testing laboratory (center), included in the Unified Register of certification bodies and testing laboratories (centers) of the Customs Union (hereinafter - accredited testing laboratory (center)).

3. Certification is carried out in respect of machines and (or) equipment included in the list of objects of technical regulation to be conformity with the technical regulations of the Customs Union "On the safety of machines and equipment" in the form of certification as set out in Appendix N 3 .

4. Declaration of conformity carried out by the applicant in respect of machines and (or) equipment included in the list of objects of technical regulation to be conformity with the technical regulations of the Customs Union "On the safety of machinery and equipment" in the form of declaration of conformity set out in Annex N 3.

5. According to the applicant, instead of declaring conformity of machinery and (or) equipment included in the list referred to in paragraph 1 of paragraph 4 of this Article may be the certification schemes of certification, equivalent circuits of declaration of conformity provided for machines and (or) equipment This technical regulation, including the absence or insufficiency of the applicant's own evidence confirming compliance with the requirements of the technical regulations.

6. The declaration of conformity or the certificate of conformity is the only document that confirms that the machine and (or) equipment requirements of these technical regulations.

7. The declaration of conformity and certificate have the same force and effect in the common customs territory of the Customs Union on the machines and (or) equipment put into circulation in the common customs territory of the Customs Union at the time of the declaration of conformity or the certificate of conformity, and, for each one (the car and (or) equipment) during its life cycle.

8. Information on the declaration of conformity or the certificate of conformity must be specified in the passport machines and (or) equipment.

9. During the conformity checking the conformity of vehicles and (or) equipment requirements of these technical regulations specified directly or established in the standards referred to in paragraph 1 of Article 6 of the Technical Regulations.

10. During the conformity of machines and (or) equipment applicant generates a set of documents on the machines and (or) equipment, confirming compliance with the safety requirements of these technical regulations, which include:

safety case;

specifications (if any);

operational documents;

a list of the standards referred to in paragraph 1 of Article 6 , which shall conform to the requirements of these machines and (or) equipment (when used by the manufacturer);

contract (supply contract) (for the party, a single product), or shipping documentation (for the party, a single product);

certificate management system of the manufacturer (if available);

information about the studies (if any);

, the test machine and (or) equipment of the manufacturer, seller or person executing functions of the foreign manufacturer, and (or) test laboratories (centers) (if any);

certificates of compliance for materials and components and protocols of their tests (if any);

certificates of conformity for these machines and (or) equipment provided by foreign certification bodies (if any);

other documents, directly or indirectly, confirming compliance with the machines and (or) equipment safety requirements of these technical regulations (if any).

Article 9. The order of declaration of conformity of machinery and (or) equipment

Declaration of conformity of machinery and (or) equipment are carried out on:

1d scheme for mass-produced vehicles and (or) equipment consists of the following steps:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , provides production control and shall take all necessary measures to ensure that the manufacturing process ensures conformity of machines and (or) equipment with the requirements of the technical regulations, is testing

samples to the testing laboratory or an accredited testing laboratory (center), receives and records the declaration of conformity.

2d scheme for the party machines and (or) equipment (a single product) includes the following steps:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , is testing samples to the testing laboratory or an accredited testing laboratory (center), receives and records the declaration of conformity.

3d diagram for mass-produced vehicles and (or) equipment consists of the following steps:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , provides production control and shall take all necessary measures to ensure that the manufacturing process ensures conformity of machines and (or) equipment with the requirements of the technical regulations, testing a sample from an accredited testing laboratory (center), receives and records the declaration of conformity.

4d scheme for the party machines and (or) equipment (a single product) includes the following steps:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , is testing samples to an accredited testing laboratory (center), receives and records the declaration of conformity;

5d scheme used for the machines and (or) equipment:

used at hazardous production facilities;

if you can not test in full prior to their installation on site;

the applicant in conformity assessment does not apply the standards referred to in paragraph 1 of Article 6 of these technical regulations, including for product innovation.

Includes the following steps:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , provides production control and shall take all necessary measures to ensure that the manufacturing process ensures conformity of machines and (or) equipment with the requirements of the technical regulations and guides to the Certification application for the type of research;

certification body conducts research in light of the type of applicant documents. If the applicant has not applied the standards referred to in paragraph 1 of Article 6 of these technical regulations, the certification body assesses the ability to replace the requirements of these standards stated requirements. Study type, depending on the documents submitted by the applicant is conducted by one of the following ways:

study sample as representative of all vehicles produced later and (or) equipment;

study of the documents, the test sample or determining (critical) parts of machines and (or) equipment;

positive results of studies such as the certification body draws up a certificate for a single type on a form approved by the Commission's decision, and issue to the applicant. The type certificate is an integral

part of the declaration of conformity and of its stated requirements to the car, and (or) equipment found to be sufficient proof of its compliance with the requirements of the technical regulations, are used in tests conducted by the state control (supervision) in accordance with this technical regulation ;

applicant accepts and registers the declaration of conformity.

6d scheme for mass-produced vehicles and (or) equipment if the manufacturer of the certified management system includes the following:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , of which includes a certificate management system (a copy of the certificate of conformity), issued by the certification of management systems, included in the Unified Register of certification bodies and testing laboratories (centers) of the Customs Union; carries production control and shall take all necessary measures to ensure that the manufacturing process ensures conformity of machines and (or) equipment with the requirements of the technical regulations, testing a sample from an accredited testing laboratory (center), receives and records the declaration of conformity.

When declaring conformity schemes 1d , 3d , 5d , 6d applicant may be registered in accordance with the laws of the state - a member of the Customs Union on its territory, a legal entity or natural person as an individual entrepreneur or the manufacturer, or to perform the functions of the foreign manufacturer in a contract with it, in terms of products supplied comply with the requirements of the technical regulations, and part of the responsibility for non-compliance of delivered products to the requirements of the technical regulations of the Customs Union (the person performing the functions of the foreign manufacturer).

When declaring conformity schemes 2d , 4d applicant may be registered in accordance with the laws of the state - a member of the Customs Union on its territory, a legal entity or natural person as an individual entrepreneur, or are a manufacturer or seller, or performing the functions of the foreign manufacturer on the basis of the contract with the in terms of ensuring compliance with the requirements of the products supplied and technical rules regarding liability for non-conformity of delivered products to the requirements of the technical regulations of the Customs Union (the person performing the functions of the foreign manufacturer).

Article 10. The composition of the evidentiary materials that are the basis for the declaration of conformity

1. At the evidentiary materials that are the basis for the declaration of conformity based on their own evidence, used the documents mentioned in paragraph 10 of Article 8 of this technical regulation and standards referred to in paragraph 1 of Article 6 of the Technical Regulations.

2. As the conditions of use of these documents can be considered:

1) for the test report:

presence in the test values of the indicators, confirming compliance with all the requirements established in the technical regulations, apply to a specific declared product;

dissemination of the testing machine and claimed (or) equipment;

2) certificates of conformity, declaration of conformity or test reports for raw materials, components, products - if they determine the safety of the final product, subject to conformity;

3) certificate for quality management system of production - if they apply to the manufacture of machinery and claimed (or) equipment;

4) other documents, directly or indirectly, confirming compliance with the machines and (or) equipment specified requirements, conformity of the declared machine and (or) equipment issued for voluntary certification (provided that the voluntary certification was confirmed all the necessary requirements).

3. The declaration of conformity is issued on a single form, approved by the Commission of the Customs Union.

The declaration of conformity shall be registered in accordance with the procedure approved by the Commission of the Customs Union. The declaration of conformity from the day of registration. Duration of the declaration of compliance - not more than 5 years.

4. The applicant must keep the declaration of conformity and evidentiary materials for ten years from the expiration of the declaration of conformity.

A set of documents proving compliance, should be provided by state control (supervision) on their requirements.

Article 11. Certification Procedure machines and (or) equipment

1. Certification of machines and (or) equipment are carried out on:

1c scheme for mass-produced vehicles and (or) equipment consists of the following steps:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , and is applying for certification to the certification body;

certification body carries out sampling of the applicant to perform the tests;

accredited testing laboratory (center), included in the Unified Register of certification bodies and testing laboratories (centers) of the Customs Union (hereinafter - accredited testing laboratory (center)), is testing samples of machines and (or) equipment;

certification body conducts analysis of the production of the manufacturer and the results of sample testing of machines and (or) equipment and positive results shall issue a certificate of conformity;

certification body conducts the inspection control of certified machines, and (or) equipment by testing samples in an accredited testing laboratory and (or) the analysis of the production.

3c scheme for the party machines and (or) equipment (a single product) includes the following steps:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , and is applying for certification to the certification body;

certification body or accredited testing laboratory (center) carries out sampling of the applicant to perform the tests;

accredited testing laboratory (center) is testing samples of machines and (or) equipment;

certification body reviews the results of tests of samples of machines and (or) equipment and positive results shall issue a certificate of conformity.

9c scheme for the party machines and (or) the limited amount of equipment, designed to equip enterprises for the same territory of the Customs Union, including the following:

applicant generates a set of documents referred to in paragraph 10 of Article 8 , and is applying for certification to the certification body;

certification body analyzes submitted by the applicant kit and if positive shall issue a certificate of conformity.

Applicant for certification schemes 1c , 9c may be incorporated under the laws of the State - a member of the Customs Union on its territory a legal entity or natural person as an individual entrepreneur or the manufacturer, or to perform the functions of the foreign manufacturer in a contract with him, in part ensure compliance with the requirements of the delivered products and the technical rules of liability for non-conformity of delivered products to the requirements of the technical regulations of the Customs Union (the person performing the functions of the foreign manufacturer).

Applicant for certification scheme 3c can be incorporated under the laws of the State - a member of the Customs Union on its territory a legal entity or natural person as an individual entrepreneur, or are a manufacturer or seller, or performing the functions of the foreign manufacturer in a contract with him, in part ensure compliance with the requirements of the delivered products and the technical rules of liability for non-conformity of delivered products to the requirements of the technical regulations of the Customs Union (the person performing the functions of the foreign manufacturer).

2. The applicant may apply for a certification in any certification body, which has in the accreditation machine and (or) equipment included in the list of machinery and equipment subject to conformity with the technical regulations of the Customs Union "On the safety of machines and equipment" in the form of certification, approved by the Commission of the Customs Union.

The application for certification is made by the applicant and shall contain:

name and address of the applicant;

name and address of the manufacturer;

information about the vehicle and (or) environment (its structure) and its identifying characteristics (name, code type by foreign economic activity of the Customs Union, the document on which the machine is made and (or) equipment (interstate or national standard, enterprise standard, specifications and etc.), type of issue - batch production or party, details of the agreement (contract), etc.);

use (s) of the standard (s) referred to in paragraph 1 of Article 6 of this technical regulation;
certification scheme.

3. The certification body shall consider the application and make a decision on the possibility of certification.

If a positive decision on certification authority enters into a contract with the applicant to conduct works on certification.

The certification body shall work under the certification scheme, is preparing a decision and a positive result shall issue a certificate of conformity.

4. In the case of a negative result of certification body sends the applicant a reasoned decision to refuse to issue a certificate of conformity.

5. Type Examination (standard samples) or a single product machine and (or) equipment conducted by accredited testing laboratory (center) on behalf of the certification authority which issued the test report.

6. Analysis of production carried out by a certification from the manufacturer. Results of the analysis are drawn act.

In the presence of the manufacturer's certified Quality Management System, or the development and manufacture of machinery and equipment certification body assesses the ability of the system to ensure stable production of certified machinery and equipment that meet the requirements of the technical regulations.

7. With the positive results of the checks provided by the certification scheme, the certification body prepares and issues a certificate of conformity to the applicant.

Certificate of conformity issued in a single form, approved by the Commission of the Customs Union.

Information on the certificate of compliance certification body passes in the Unified Register of certificates of conformity and registered declarations of conformity issued by a single form.

8. The certificate of conformity of the machinery established for and (or) equipment production - not more than 5 years, issued by the party for not installed.

9. Certificate of compliance can have an application that contains a list of specific products to which it applies.

The application is made if:

required to detail the group of similar products produced by the applicant and certified by the same requirements;

need to specify the manufacturers included in larger units with uniform conditions of production.

Article 12. Single sign marking of products on the market states - members of the Customs Union

1. Machines and (or) equipment conforming to the requirements of the safety technical regulations and conformity assessment procedures have passed according to Article 8 of this technical regulation shall be marked with a single sign of products on the market states - members of the Customs Union.

2. Single sign marking of products on the market states - members of the Customs Union is to launch machines and (or) equipment in circulation in the market.

3. Single sign of products on the market states - members of the Customs Union is applied to each piece of machinery, and (or) equipment in any way, providing crisp and clear images over the life of the machine and (or) equipment.

Single sign of products on the market states - members of the Customs Union is applied to the product.

4. May be applied as a single sign of products on the market states - members of the Customs Union only on the packaging and in the attached operating documents, if it can not be applied directly to the machine and (or) equipment.

5. Machines and (or) equipment marked with a mark of one product on the market states - members of the Customs Union that they meet the requirements of all the technical regulations of the Customs Union, EurAsEC, to extend to them and providing for the application of a single sign of products on the market states - members of the Customs Union.

Article 13. Protection clause

1. State - members of the Customs Union shall take all measures to limit, prohibition of issue machines and (or) equipment in the common customs territory of the Customs Union, and withdrawal from the market of machines and (or) equipment that do not meet the requirements of the technical regulations.

Members of the Coordinating Committee for Technical Regulation, the application of sanitary, veterinary and phytosanitary measures, and authorized representatives of the Parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	
	VN Roots		RA Satbaev		VY Salamatov
	VM Kazakevich		SS Khasenov		ON Aldoshin
	IA Zastenskaya		NO Sadvakasov		AL Safonov
Executive secretary of the Coordination Committee				MG Chuiko	
The experts of the Parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	

BASIC REQUIREMENTS
For safety of machines and (or) equipment

1. It must be possible the adjustment and maintenance of machines and (or) equipment without exposing personnel to risk conditions specified by the manufacturer.

2. In the development (design) and manufacturing of machines and (or) equipment responsible person must:

eliminate or reduce the risk;

take measures to protect from danger;

inform consumers of the protection measures, indicate whether special training, and to determine the need for technical protection measures.

3. In the development (design) and manufacturing of machines and (or) equipment, as well as the development of guidelines (instructions) for the operation of the machine and (or) equipment must be considered acceptable risk in the operation of machines and (or) equipment.

4. If as a result of an invalid operation is a risk, the design of the machine and (or) equipment to prevent such exploitation. If this is impossible, the manual (instructions) to operate the consumer draws attention to such situations.

5. In the development (design) and manufacturing machines and (or) equipment to use ergonomic principles to reduce the effects of discomfort, fatigue and psychological stress of staff to the lowest possible level.

6. In the development (design) and manufacturing machines and (or) equipment to be considered limitations on the actions of the operator when using PPE.

7. Machine and (or) equipment must be staffed in accordance with the instructions necessary equipment and tools for the safe adjustments, maintenance and proper use.

8. Machine and (or) equipment should be developed (projected) and constructed so that the raw materials and substances used in their manufacture and use, did not threaten the safety of human life or health, property, environment, life or health of animals.

When using liquids and gases should be excluded hazards associated with their use.

9. Provide extra lighting for the safe operation of the machine and (or) equipment.

The internal parts of the machine and the area and (or) equipment requiring frequent inspection, adjustment and maintenance, should have lighting that provides safety.

When using the machine, and (or) equipment to prevent the formation of shaded areas, areas subject to interference, and blinding strobe effect.

10. Machine and (or) equipment, or each of them must be packed in such a way that they can be stored safely and without damage, have adequate stability.

11. If the weight, size or shape of the car and (or) equipment or their different parts can not move them by hand, machine, and (or) equipment or each of them shall:

equipped for lifting mechanism;

configured so as to be able to apply standard lifting equipment.

12. If the machine and (or) equipment or one of their pieces will be moved by hand, it should be easy to move around or fitted with a lift.

There should be a special place for the safe storage of tools parts and components required for operation.

13. Machine control system and (or) equipment to ensure the safety of their operation on all specified operating conditions and all external forces, under the operating conditions.

Control system should prevent a hazardous situation for possible logical errors and for violating personnel management actions.

Depending on the complexity of management and control mode of the machine and (or) equipment management system must include a means of automatic control modes or means of an automatic stop if the violation mode can cause a dangerous situation.

14. Machine control system and (or) equipment must include a means alarms and other means to warn of disruption to the machine and (or) equipment, resulting in a hazardous situation.

Means to warn of disruption to the machines and (or) equipment should provide flawless, reliable and quick perception of information personnel.

15. Machine controls and (or) equipment must be:

readily available and easily distinguishable, equipped with labels, symbols or marked in other ways;

constructed and arranged so as to prevent their involuntary movement and provides a reliable, confident and unambiguous manipulation;

placed with the effort required to move the sequence and frequency of use, and the importance of functions;

designed so that their shape and size to match the way capture (fingers, hands) or pressing (finger, hand, foot);

located outside the danger zone, with the exception of government, whose function requires finding staff in the danger zone, while additional measures are taken to ensure safety.

16. If management provides one control several functions, the action should be displayed by means of the control and subject to verification.

17. Start the car and (or) equipment, as well as restarting after a stop (for whatever reason stops) should only body of the launch. This requirement does not apply to restarting production equipment operating in automatic mode, if the restart after stopping place within the regime.

If the system of machines and (or) equipment has several controls, to crank the system or parts of it, and the violation of the order of their use can lead to dangerous situations, management should provide the device does not violate the order.

18. Each machine system and (or) equipment must be fitted with body control, with which it can safely be completely stopped. Controlled stop the machine and (or) equipment must have priority over the management of start-up.

After stopping the vehicle, and (or) equipment from the power source to the drive machinery and (or) equipment should be turned off, except when the energy source can lead to a dangerous situation. Machine control system and (or) equipment (except for portable machines with manual control) must be equipped with means of emergency braking and emergency stop (off), if the application of these systems can reduce or eliminate the danger.

19. Body emergency stop control must:

be clearly identifiable and easily accessible;

stop the machine and (or) equipment quickly, without danger;

be after actuation at the position corresponding stop until it is returned to the user in the original position;

return to the starting position without causing the machine is started, and (or) equipment;

be red in color, shape and size differ from the other controls.

20. Management system of machines and (or) equipment must eliminates risk from their joint functioning, and in the event of failure of any part.

Management system of machines and (or) equipment should allow staff if necessary to block start system, as well as to stop it.

21. Remote control system of machines and (or) equipment must provide staff to supervise the absence of staff or other persons in the hazardous area, or the control system operation shall exclude machines and (or) equipment in finding staff or other persons in the danger zone. Each operation must be preceded by a warning signal, the duration of which allows persons in the danger zone, to leave her or prevent the launch of the system.

Remote control system of machines and (or) equipment shall be equipped with means of information on violations of the operation of any part of the system, as well as means of emergency stop (stop) system and (or) its parts.

22. In the presence of the mode switch operation in the machine control and (or) equipment each position must correspond to only one mode of operation and securely.

23. If the specific modes of the machine and (or) equipment requiring higher personnel, the switch is these modes should provide:

- ability to block the automatic control;
- motion design elements only at constant force is applied to the control traffic;
- termination of the machine and (or) equipment, if their work can cause danger to personnel;
- exception of parts of the machine and (or) equipment not involved in the selected mode;
- reduced speed of the machine and (or) equipment involved in the selected mode.

24. The selected mode control must have priority over all other operating modes, except for an emergency stop.

25. Total or partial cessation of energy supply and its subsequent recovery, as well as damage to the control circuit power supply must not lead to dangerous situations, including:

- re-starting the machine and (or) equipment in the recovery of energy;
- the failure of issued commands to stop;
- drop and throwing moving parts and (or) equipment and attached to their contents, blanks and tools;
- reduce the effectiveness of the protective devices.

26. Violation (failure or damage) in the scheme of machine control and (or) equipment must not lead to dangerous situations, including:

- re-starting the machine and (or) equipment in the recovery of energy;
- the failure of issued commands to stop;
- drop and throwing moving parts and (or) equipment and attached to their contents, blanks and tools;
- reduce the effectiveness of the protective devices.

27. Machine and (or) equipment must be resistant to the foreseen operating conditions, without the danger of allowing the use of tilting, falling or unexpected movement.

The guide (manual) manual must specify the use of appropriate fasteners.

28. Machine parts and (or) equipment and their connections shall withstand the forces and stresses to which they are subjected in service.

The durability of the materials used must meet the envisaged operation, consider the appearance of the hazard associated with the phenomena of fatigue, aging, corrosion and wear.

29. The guide (instructions) for operation of machines and (or) equipment shall be the type and frequency of inspection and maintenance required for safety. If necessary, must be specified parts subject to wear, and the criteria for replacement.

30. If, despite the measures taken, there is a danger of destruction machine and (or) equipment, protective barriers should be installed in such a way that the destruction of parts or units of the machine and (or) equipment fragments could not fly away.

31. Pipelines must withstand expected loads to be securely and protected from external mechanical influences.

Measures should be taken to protect the dangerous consequences of the destruction, a sudden movement of pipes and jets of high pressure in their destruction.

32. Precautions should be taken to prevent danger from discarded machine and (or) equipment parts, fragments, waste.

33. Accessible parts of the machine and (or) equipment should not be cutting edge, sharp edges and rough surfaces that can cause injury and technologically related to the functions of the machine and (or) equipment.

34. If the machine and (or) equipment designed to perform several different operations with manual movement of work piece between each operation, it should be possible to use each functional element separately from other items that are hazardous to personnel.

35. If the machine and (or) equipment designed to operate in different modes, the rate necessary to ensure the safe and reliable choice and configuration of these modes.

36. The moving parts of machines and (or) equipment shall be located so that there was no possibility of injury, or if danger remains, should apply the warning signs and / or labels, safety or protective devices to prevent such contact with the machine, and (or) equipment which can lead to accidents.

37. Measures should be taken to prevent accidental blockage of moving parts. If, despite these measures, the locks can occur should provide special tools to unlock the safe. Procedures and methods for unlocking must be specified in the manual (manual) on the operation, and the machine and equipment shall be applied to the appropriate designation.

38. Protective and safety devices used to protect against the danger caused by the moving parts of the machine and (or) equipment should be selected on the basis of risk analysis.

39. Protective and safety devices should:

have a solid stable structure;

be safe;

at appropriate distance from the danger zone;

not prevent the implementation of process control in hazardous areas;

allowed to do the work of adjusting and (or) replacement tool, and maintenance of machines and (or) equipment.

40. Fixed protective barriers shall be securely fastened so as to access the enclosing area was only possible with the use of tools.

41. Movable safety guards must:

possible remain fixed on the machine and (or) equipment when they are open;

have locking devices that prevent operation of the machine or equipment until safety gates are open.

42. Movable guards and safety devices should be developed (designed) and included in the machine control system and (or) equipment in such a way that:

moving parts cannot be activated while they are within reach of personnel;

Those at the possible impact, were not within reach at the time of inclusion;

they can only be installed with the use of tools;

the absence or failure of one of the components of the device prevents insertion or stop moving parts;

protection against ejected parts ensured through the establishment of a barrier.

43. Devices for limiting access to those places moving parts and (or) equipment necessary for the job, should:

set manually or automatically (depending on the type of work in which they are involved);

installed using tools;

limit the risk of ejected parts.

44. Safety devices should be associated with the machine control and (or) equipment so that:

moving parts cannot be activated until they are within reach of the operator;

the staff could not be within the reach of the moving parts of machines and (or) equipment in bringing them into action;

the absence or malfunction of one of the components of the remedy preclude the inclusion or stop moving parts.

45. Protection devices must be installed (removed) using only instruments.

46. If the machines and (or) equipment uses electrical energy, they should be developed (projected), constructed and installed so as to avoid the risk of electric shock.

47. If the machines and (or) equipment uses non-electric energy (hydraulic, pneumatic, thermal energy), they should be developed (projected) and manufactured in such a way as to avoid any risk associated with these types of energy.

48. Errors in assembly machines and (or) equipment, which can be dangerous, and should be deleted. If this can not be applied directly to the prevention of the car and (or) equipment.

Information on possible errors during reassembly should refer to the manual (instructions) for use.

49. Necessary to eliminate the risk caused by mixing of liquids and gases, and (or) improper splice of electrical conductors for assembly. If this is not possible, information about it is necessary to specify the pipes, cables, and (or) on the connecting block.

50. Measures should be taken to eliminate the risk caused by contact or proximity to machinery components and (or) equipment or materials with high or low temperatures.

Need to assess the risk out of the car and (or) equipment workers and waste substances that have a high or low temperature, and the presence of risk should be taken to reduce it.

Must be protected from injury by contact or close proximity to the parts of the machine and (or) equipment or use in substances that have a high or low temperature.

Metal surfaces of hand tools, metal handles and latches machines and (or) equipment should be covered insulating material. Temperature of the metal surfaces of equipment if possible (unintentional) contact exposed skin with them should be within acceptable values.

51. Machine and (or) equipment must be designed (designed) so that there was no danger of fire or overheating from direct machine and (or) equipment, gases, liquids, dust, vapors or other substances produced or used machines and (or) equipment.

Machine and (or) equipment must be designed (designed) so that there was no unacceptable risk of an explosion caused by the machine itself, and (or) equipment, gases, liquids, dust, vapors or other substances produced or used car, and (or) equipment requiring the following:

- avoid dangerous concentrations of hazardous substances;
- conduct continuous automatic control of the concentration of hazardous substances;
- prevent ignition of potentially explosive atmospheres;
- minimize the impact of the explosion.

52. In the development (design) of machines and (or) equipment necessary to provide the parameters of noise, infrasound, air and contact ultrasound does not exceed the machine during operation and (or) equipment.

53. The guide (manual) operating parameters should be set noise machines and (or) equipment and parameters uncertainty.

54. In the development (design) of machines and (or) equipment necessary to provide the permissible parameters of vibration produced by staff.

The project car and (or) equipment must be provided acceptable risk from exposure to vibration produced staff.

55. For hand tools and machines with manual control, as well as machines equipped work space for the staff in the manual (manual) manual should specify the full corrected rms acceleration acting on the staff, and the uncertainties in estimating the parameters of the value.

56. Machine and (or) equipment should be developed (projected) and constructed so that ionizing radiation does not constitute a hazard.

57. When using laser equipment must be:
- prevented accidental radiation;
 - protected from direct, indirect, secondary and scattered radiation;
 - no danger of optical equipment for the observation or adjustment of laser equipment.

58. In the development (design) of machines and (or) equipment must be taken to protect workers from the adverse effects of non-ionizing radiation, static, static magnetic fields, electromagnetic fields of power frequency electromagnetic radiation of radio and optical bands.

59. Gases, liquids, dust, vapors and other waste that produce machines and (or) equipment in operation, should not be a source of danger to human life and health and the environment.

In the presence of this the machine and (or) equipment must be equipped for the collection and (or) removal of these substances, which should be located as close as possible to the source of isolation, as well as devices for continuous automatic monitoring of emissions.

60. Machine and (or) equipment must be equipped with means to prevent the closing of the staff in the car, and (or) equipment that is impossible - signaling device to call for help.

61. Of the machine and (or) equipment, which may be the staff to develop (design) so as to prevent slipping, tripping or falling on them or staff with them.

62. Places maintenance machines and (or) equipment must be located outside danger zones.

Maintenance should be performed whenever possible during machine stops and (or) equipment. If, for technical reasons, such conditions cannot be met, it is necessary to ensure that the service is safe.

63. Should be possible to install the machines and (or) equipment, diagnostic equipment to detect malfunctions.

It must be possible to quickly and safely remove and replace those units of machines and (or) equipment, which require frequent replacement (especially if you need to replace them in the operation or they are subject to wear and tear, which can lead to danger). For this work by using tools and measuring instruments in accordance with the instruction (instruction) manual to ensure safe access to such elements.

64. Necessary to ensure the availability of funds (stairs, galleries, walkways, etc.) to secure access to the workplace, to all areas of service.

65. Machines and (or) equipment must be equipped with means of disconnection from all energy sources, which are identified by color and size. To be capable of locking up if their operation can cause danger to persons in the area being exposed to the hazard.

To be able to disable the power supply in case the staff when in any place to which he has access, cannot check off a power supply.

It should be possible to safely discard (scatter) any energy stored in the machine circuits and (or) equipment after disconnecting the power supply. If necessary, certain circuits may remain connected to the power source for information security and emergency lighting. In this case, care must be taken to ensure the safety of personnel.

66. Machine and (or) equipment must be designed (designed) so that the need for human intervention has been limited, if it is not provided by management (instruction) manual.

If the interaction is unavoidable, it should be safe.

67. Should be possible to clean the internal parts of the machine and (or) equipment containing hazardous components without penetration into the car and (or) equipment, as well as unlocking from the outside. Should ensure the safe conduct of cleaning.

68. The information needed to control the machine and (or) equipment must be clearly understood by staff. Information must not be excessive, so as not to overload the staff in service.

69. If the staff can be at risk due to failures in the car, and (or) equipment must be equipped with devices to warn acoustic or light signal.

Signals given by warning devices and machines (or) equipment must be clearly perceptible. Staff should be able to test your alarm.

70. If despite these measures there is a risk, the car, and (or) equipment shall be provided with warning labels (signs), which should be clear and written in Russian, and in the state (s) language (s) of the State - a member of the Customs Union in the presence of relevant requirements in the law (s) of the state (in) - Member (s) of the Customs Union.

Members of the Coordinating Committee for Technical Regulation, the application of sanitary, veterinary and phytosanitary measures, and authorized representatives of the Parties:					
From the Republic of Belarus		From the Republic of Kazakhstan		From the Russian Federation	
	VN Roots		RA Satbaev		VY Salamatov
	VM Kazakevich		SS Khasenov		ON Aldoshin
	IA Zastenskaya		NO Sadvakasov		AL Safonov
Executive secretary of the Coordination Committee				MG Chuiko	
The experts of the Parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	

Appendix N 2
to technical regulation
Customs Union "On the security
machinery and equipment "

**ADDITIONAL REQUIREMENTS
SECURITY FOR CERTAIN CATEGORIES OF VEHICLES
AND EQUIPMENT
Agricultural and other self-propelled vehicles and mobile**

1. Machines, the emergence of the dangers associated with their movement, should further meet the safety requirements set out in this Appendix.

2. Visibility from the operator should be sufficient to ensure the safety of the operator and in the hazardous area personnel in the application of the machine and its working bodies for other purposes. If necessary, should be provided with the funds required to eliminate hazards caused by poor visibility.

3. The operator, while on the job, should be able to activate the controls required to operate the machine. Except in those types of work that for safety must be performed using the controls located outside the operator's station.

4. Wheel steering system must be designed and constructed so as to reduce the force on the steering wheel or control levers that occurs due to external influences on the steering wheels.

5. Differential lock management body shall be designed and installed in such a way that the motion of the machine was able to produce unlock differential.

If the machine for manufacturing processes to meet a set of functions is equipped with facilities that exceed its dimensions (eg, stabilizers, arrows, etc.), the operator must be able to start driving to make sure that the equipment is in position, do not create dangerous when moving the machine.

6. In the process of starting the engine should not be possible for any movement of the machine.

Machines must comply with the requirements of the process slowing, stopping, braking and maintain stationary in order to provide security in the operational documents under operating conditions, the level of load, speed.

7. Operator working with the management body should be able to make a complete stop or slow down the self-propelled machine. If you want to ensure safety in the event of a fault management system or violation of a utility, the machine must be equipped with a safety device to reduce speed or stop with a fully independent and easy-access controls.

If you want to ensure safety, the machine must be equipped with a parking brake that provides complete immobility machine.

8. If necessary, the remote control of the machine or system of machines, each control unit must clearly identify the machine for which it was intended.

The remote control system must be designed and constructed in such a way that it can only control the appropriate machine and (or) specific operations.

Machine equipped with remote control system must be designed and constructed in such a way that it responds only to signals specific control unit.

9. Movement of the machine, controlled pedestrian operator, it should be possible only as a result of continuous exposure of the operator to the appropriate authorities. In the process of starting the engine should not be possible for any movement of the machine.

10. Machine control, pedestrian-controlled operator, should be designed to minimize the risks associated with any movement in the direction of the machine operator.

The speed of the machine should be comparable with the speed of pedestrian operator.

If the machine is equipped with a rotating tool, any possibility of its inclusion in the process of the machine in reverse should be excluded, except when the car is driven directly to the rotating tool. In the latter case, the reverse speed machine must not present a danger to the operator.

Energy source failure steering (if any) must not interfere with the management of vehicles throughout the period of time necessary to complete standstill.

11. The machine must be designed, constructed and installed as necessary on the chassis so that arise in the process of movement uncontrolled oscillations of its center of gravity does not affect the stability of the machine and do not create undue stress on its construction.

Propelled machine must be designed and constructed in such a way that the conditions stipulated maintained its stability.

12. If the conditions provided for a self-propelled vehicle rollover risk exists, it should be equipped with ROPS. Roll-over car design of the device shall provide occupants of the vehicle operator to an appropriate volume limit deformation.

Car seat should be suitably designed or be equipped with a restraint system allows the operator is held in place without loss of necessary actions to manage the machine.

13. If, depending on the operating conditions there is a risk of self-propelled machines falling on her various subjects, it must be fitted with protection against falling objects.

In the fall of objects this unit should provide occupants of the vehicle operator to an appropriate volume limit deformation.

14. Machines that are designed for towing or themselves towed must be fitted towing device designed, constructed and placed so as to provide an easy and secure connection or disconnection, and to prevent accidental disconnection during use.

15. Trailed, semi-mounted machines should be equipped with racks of the seats corresponding to the load conditions and soil.

16. Removable mechanical devices PTO linking self-propelled machinery (tractors) with the first rigid support of towed vehicles must be designed and constructed so that any moving part during operation is protected throughout its length.

PTO-propelled machinery (tractors), to which is attached a removable mechanical power take-off device must be protected with a safety cage, firmly fixed to the self-propelled machinery (tractor) or by any other device that provides an equivalent level of protection.

To provide access to the removable device PTO this guard should be able to open. When you install the above devices must remain sufficient space to prevent movement during the self-propelled machinery (tractor) to damage the security fence driveshaft.

Shaft receiving power towed vehicles shall be in fixed on her guard.

Torque limiters and overrunning clutches can be attached to a universal joint drive shaft only by the towed vehicle. Removable mechanical power take-off device must be properly coated with a marking.

17. All towed machinery, requiring an removable mechanical power take-off device that connects them to the self-propelled machinery (tractors), must have a system of its accession, which of necessity end machines would protect the device and its protective barriers against damage resulting from their contact with the ground or with the machine parts.

The external parts of guards shall be designed, constructed and arranged in such a way that they can not rotate at the same time with a removable mechanical device PTO. The protection shall cover the drive shaft until the forks internal hinges (in the case of simple universal joints) and at least until the middle of the external hinge in the case of wide-angle universal joints.

If the means of access to jobs in the machine located near the removable mechanical power take-off device, they must be designed and constructed in such a way as to exclude the possibility of using the PTO shaft guards as steps, except where this is by design.

18. Battery installation location must be designed and constructed in such a way as to eliminate the risk caused by hitting the operator of the electrolyte in the case of a rollover car and avoid the accumulation of electrolyte vapor in the workplace of the operator.

The machine should be designed and constructed so that the battery can be disconnected with an easily accessible and designed for that purpose device (circuit breaker).

19. Depending on the types of hazards car should be equipped with fire extinguishers located in easily accessible areas, and (or) built-in fire suppression systems.

20. The operator must be protected from the risk of exposure to hazardous substances, where the main function of the machine is sputtering.

21. Machines equipped places for operators must be equipped with appropriate devices transmitting signals from towing vehicle to the towed (if necessary).

22. Workplace operators of agricultural vehicles operating during operation outside the cab of the energy resources must be protected from land abandonment, process materials, dirt.

23. Folding elements designed to reduce transport width and / or height, must have mechanical or other means to keep them in the transport position.

24. Self-propelled machinery and power tools, designed to work in the mountains, must be equipped with detectors of maximum permissible bank.

25. Safety requirements imposed Hinged, semi, trailer, semi-trailer and mounted agricultural equipment, valued at test in the machine-tractor units of mounted, semi-mounted, trailed or mounted machines and power equipment (tractor).

26. If self-propelled machines and power tools are designed for use in hazardous environments, or the machines themselves, and energy resources are extremely hazardous environment, shall be provided to the unit to ensure proper operation of the operator and protect him from foreseeable dangers.

27. At the equipment operator position cab it must allow the operator to quickly leave the car and have at least one emergency exit.

28. With the energy of mounted machine tool, covering transport position light signaling devices energy resources, as well as self-propelled machinery must be equipped with its own external lights.

Lifting machinery

1. Lifting machinery must be designed and constructed so that in the course of their operation (operating and non-operating), and on the other stages of the life cycle (manufacturing, installation, testing, removal, etc.), they kept the alleged geometry, strength, hardness, resistance, wear and corrosion resistance, and - balance (the latter only for certain types of arrows gantry cranes).

Strength, stiffness, stability and balance of account elements of the metal, as well as the corresponding figures hoisting machine safety mechanisms based on established modes of operation must be confirmed by calculation.

2. Lifting machines that move on rails must be equipped with special devices that prevent the risk of their exit from the track, as well as unauthorized movement under the influence of wind loads.

If, despite the presence of these devices, the risk of exit from the track there is, for example, because of a possible seismic damage themselves or track, you need to use additional devices to prevent a possible drop in equipment.

3. Lifting machinery must be designed and manufactured to specified conditions, working hours and work schedule arrangements. Hoist lifting equipment designed for intensive service processes should be equipped with recorders developments.

Registrars hours (with load moment) must be equipped with all the free-standing jib cranes type.

The materials used for the manufacture of lifting equipment should be selected based on specified operating conditions (operating and non-operating), such as temperature, aggressive environments, explosive environment, etc. The quality of materials to be confirmed by certified manufacturer.

4. Blocks and drums for wire rope must have a diameter not less than determined by the group classification mechanism in which they are installed. Creek unit and cutting grooves in the drum set should match the diameter wire rope.

Calculated effort to select the wire rope is determined by taking into account the design of the mechanism of reeving. Minimum Factor (factor) wire rope shall not be below the detection group classification mechanism in which the cable is installed. Minimum Factor (factor) for wire rope slings of each branch must be at least 6 subject to the maximum angle between the branches multi branch slings up to 90 °. Design load for each of the branches multi branch slings take the condition that the load is suspended by three or fewer branches.

Steel cables designed directly for lifting or containment (except rope lifts and ring slings) must not have any splices, except termination ends of the ropes.

Quality sealing ends and method of attachment of steel ropes selected to provide the appropriate level of security mechanism and lifting machines in general.

5. Sizes of stars are chosen based on the classification of the mechanism and the chain pitch.

Calculated effort to select the design of the mechanism of chain is considering reeving. Minimum Factor (factor) of the circuit should be below the detection group classification mechanism, in which the chain is installed.

Method of attachment and splice ring chain selected to provide the appropriate level of security mechanism and lifting machines in general.

Minimum Factor (factor) for each chain sling legs should be at least 4, provided the maximum angle between the branches multi branch the condition that the load is suspended by three or fewer branches.

When used in the construction of textile ropes slings and belts minimum efficiency (factor) of textile rope or tape for each separate branch slings shall not be less than 7, provided the maximum angle between the branches multi branch slings up to 90 °.

Splicing (firmware) textile ropes and tapes should not lead to a decrease in the specified minimum utilization of each branch of the sling.

6. Device designed to control the movement should operate so that lifting the machine on which they are installed, are safe.

Lifting machinery must be designed, constructed or equipped with special devices that would allow to limit the range of motion of relevant components of machines within limits. If necessary, at the beginning of these devices shall be activated alarm.

If standing and moving by rail lifting machinery may happen to be in close proximity to each other, causing a risk of collision, they must be equipped to prevent any such risk.

Lifting machinery must be designed and constructed so as to avoid dangerous shifts or free and uncontrolled fall posted on their loads, even if the reason for their occurrence is full or temporary blackouts or stopping the machine operator.

Under normal operating conditions, the process of lowering the system by using only the friction brakes should not be the only possible way, except for those vehicles that can not function otherwise.

Containment devices must be designed and constructed so as to prevent any accidental fall goods.

7. Operating position of hoisting machine shall be such as to ensure the best possible overview of the trajectories of the moving parts in it to prevent possible clashes with people, equipment or other machinery, moving at the same time in close proximity and creating a certain degree of risk.

Lifting machines that move on rails must be designed and manufactured to protect people from injury, the occurrence of which is associated with cargo transport platforms or balances (if any). If necessary to meet this requirement, access to the area moving goods under normal conditions should be excluded.

If during inspection or maintenance, there is a risk of crushing between a fixed element of the transport platform and human body parts, is below or above it, there should be sufficient space in the

form of shelter or the installation of mechanical devices blocking the process of movement of transport platform.

8. The movement of the transport platform hoisting machine, serving fixed platform, must be on hard tracks. Lifting system with a swivel mechanism type scissors are also considered as with rigid rails.

If people have access to the transport platform, the hoisting machine shall be designed and constructed to provide a stationary state transport platform for access, particularly when loading or unloading.

Hoisting machine shall be designed and constructed so that the difference between the levels of the transport platform and maintained her landing site caused no risk of tripping or falling.

9. If there is a risk of falling cargo transport platform, lifting machine must be designed and constructed so as to prevent the emergence of the risk.

10. In places of embarkation / disembarkation (loading / unloading), the risk of contact with people or other moving platform in moving parts of hoisting machines should be excluded.

If there is risk associated with the possibility of people fall in the area of movement of the transport platform at the time of its absence on the landing (loading and unloading), the site should provide protective barriers that exclude the possibility of this risk. These protective barriers should not be opened in the direction of motion area transport platform. They should have a safety device locking, triggered according to the position occupied by the transport platform and prevents the dangerous transport platform until the safety gates are closed and locked, and the discovery of the security fence to stop the transport platform at an appropriate landing (loading and unloading) site.

11. To confirm the efficiency of lifting equipment must be periodically cargo static and dynamic load tests on 1.25 nameplate capacity (static test) and 1.1 nameplate capacity (dynamic tests). The methodology of the test truck should be set out in the operating hoisting machine.

Newly made hoisting machine (free-standing jib crane type) is further subjected to the tests in the total resistance to rollover. Test procedures should be set out in the operating hoisting machine.

12. Control devices for lifting equipment, manually operated, must be with an automatic return to the starting position. However, the management of all or part of the process of moving, which is completely no risk of collision loads or vehicles, these control devices can be replaced by special devices to perform automatic stop at preset positions without using the device with an automatic return to the starting position.

Cable transport platforms, traction means must be held counterweights or equipment to monitor the tension.

13. Each part of the lifting chain, rope or lifting gear, which is not an assembly unit must be coated with a label, and in cases where this is not possible - a plate or integral ring with the name and address of the manufacturer.

Lifting chains, steel ropes, textile ropes and tapes must have a certificate with the following information:

- The name and address of the manufacturer;
- Make a chain, wire rope, textile rope or tape, including nominal size, design and material data;
- Use of the test;
- Minimum breaking (or breaking) the load.

The certificate approved by the Commission of the Customs Union.

14. On all lifting devices shall include designation of the material for which they are intended (if the information is necessary for safe operation) and the maximum load capacity.

For lifting devices, marking which is not possible, the above information should appear on the label, securely attached to them, or to be located in a place where there is the least risk of the abrasion (eg, as a result of wear and tear) or a negative impact on the level strength lifting devices, and should be clearly visible.

15. At each hoisting machine shall be specified maximum nameplate capacity, and for the type of crane boom - also installed plaque load characteristic.

On lifting machinery intended solely for lifting, transport platforms equipped, with potential access to the people, must be clearly marked warning prohibiting the lifting of people. This warning must be clearly visible from any location from which you can access on the transport platform, and continue throughout the life of the machine.

16. Mechanisms of hoisting machine shall be equipped with brakes normally closed type (except swing brake, which can be normally open).

Factor of braking hoisting machine fixed with consideration of the classification of the mechanism, but not less than 1.5.

Hoist lifting equipment designed for lifting and transporting dangerous goods must be equipped with two brakes, with brake safety factors of each appointed on the basis of providing a given security.

17. Lifting bodies lifting machines must comply with the requirements specified provide security and prevent inadvertent disengagement, fall or precipitation of cargo during its rise and transportation, including the fault management system.

Load hooks, except hooks special version must be installed on the thrust ball bearings.

Fixing hook for suspension should be excluded from any unauthorized disconnection suspension during operation.

Each hook hoisting machine shall be equipped with a latch that prevents arbitrary loss sling rings or eyelets hook throat while lifting and transporting cargo.

18. Electrical equipment and control system for lifting equipment must meet the requirements specified provide security and meet the requirements of classification groups established her arrangements.

The control system for lifting equipment must be at least equipped with a zero and current overload protection, avoid unauthorized launch drive mechanisms, and the ability of the personnel injury electrocution.

19. Hydraulic lifting machine must meet the requirements specified provide security, no damage hydraulic components in contact with elements of metal and avoid unintentional lowering (arrows) in an emergency.

Each hydraulic circuit must be protected from over-pressure relief valve, adjusted to work with a rated load equal to nameplate capacity, and sealed.

20. Hoisting machines must be equipped with the necessary safety devices: limiters (eg, stops working movements necessary locks the door into the cab, etc.) and signs (eg, LED indication of voltage supply, display weighing machines, sound alarms started lifting and transporting cargo, etc.). The list and the number of necessary constraints and indexes hoisting machine selected on the basis of its design features, the degree of responsibility and ensuring the required level of security.

21. Control apparatus for lifting equipment must be made and installed in such a way that the management was comfortable and not difficult to monitor the load-handling and body weight.

The direction of movement of the handles and levers should be possible, correspond to the direction of motion mechanisms.

22. Internal dimensions of control cubicles for lifting equipment must meet the requirements of ergonomics and for safety of the equipment.

23. Easily accessible on the move of the hoisting machine shall be covered with removable solid barriers, allowing inspection and maintenance of machinery.

Uninsulated live parts of electrical equipment for lifting equipment, located in places which do not exclude the possibility of contact with them, should be protected.

24. Galleries, platforms and ladders lifting equipment must provide the specified strength, and their size - in accordance with established safety requirements.

25. Welded joints calculated elements of metal lifting equipment to ensure their safety.

26. Track (for lifting equipment, moving on rails) shall be designed and constructed so that during operation (operating and non-operating), as well as the rest of the life cycle of hoisting machine (assembly, test, etc.) he retained the stated strength, stiffness, stability, fatigue, wear, and corrosion resistance.

Equipment for handling and processing

Food products, Cosmetics production or Pharmaceuticals

1. Materials in contact with foodstuffs, cosmetics or pharmaceutical products must be suitable for the intended use. Surface materials and coatings are suitable for contacting media and enable the cleaning and disinfection without breaking, cracking, chipping, peeling or abrasion.

2. Equipment surfaces in contact with food, cosmetics or pharmaceutical products must be smooth, without ridges or grooves that promote the accumulation of the product.

The equipment must be easy to clean and disinfect (if necessary with prior removal of all parts are easily removed). The interior surfaces of equipment must be curved pair, allowing them to make a thorough cleaning.

3. It is necessary that it was possible to completely remove from the equipment of liquids, gases and aerosols emissions, cosmetics or pharmaceutical products, as well as resulting from cleaning and disinfection.

4. Equipment must be so designed and constructed as to prevent the ingress of foreign matter in it or pests (eg, insects), and the accumulation of organic matter in any inaccessible to clean places.

5. The equipment must be designed and constructed in such a way as to prevent harmful contact auxiliary substances (eg lubricants) with food, cosmetics or pharmaceuticals.

6. The manual of the equipment should provide information on the means and methods that are recommended for cleaning, disinfecting and rinsing.

Members of the Coordinating Committee for Technical Regulation, the application of sanitary, veterinary and phytosanitary measures, and authorized representatives of the Parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	
	VN Roots		RA Satbaev		VY Salamatov
	VM Kazakevich		SS Khasenov		ON Aldoshin
	IA Zastenskaya		NO Sadvakasov		AL Safonov
Executive secretary of the Coordination Committee				MG Chuiko	
The experts of the Parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	

Appendix N 3
to technical regulation
Customs Union "On the security
machinery and equipment "

**Objects for Technical Regulation for
Conformity Certificate of the Technical Regulation of the Customs Union
"On the Security Machines and Equipment "**

1. Woodworkers, household;
2. Terrain vehicle, snowmobiles and trailers;
3. Garage equipment for motor vehicles and trailers;

4. Agricultural machines;
5. Rigging of garden and forest use mechanized, including electrical;
6. Machines for livestock, poultry and feed production;
7. Mechanized instrument, including electric;
8. Manufacturing equipment for logging, and timber rafting timber yard:
 - Saws gasoline;
 - Electric Chain Saws.
9. Technological equipment for the enterprises of trade, public catering and kitchens.
10. Equipment for stripping and cleaning work and securing mining:
 - Combines treatment;
 - Mechanized complexes;
 - Motor-powered support for Love;
 - Pneumatic tools.
11. Equipment for sinking mines:
 - Heading machines for coal and rock;
 - Lining of metal for development workings;
12. Equipment stem rises and mine transport:
 - Mining scraper conveyors;
 - Conveyors mine tape;
 - Mine and mine hoists.
13. Equipment for drilling and wells, equipment for charging and stemming of blast holes:
 - Pneumatic hammers (hammer drills);
 - Hammers;
 - Machines for drilling in the mining industry;
 - Installation drill.
14. Ventilation and dust control:
 - Fans for mines;
 - Means of dust collection and dust control;
 - Compressors oxygen.
15. Materials handling equipment, cranes lifting

**Objects of the Declaration of Conformity for the
Technical Regulation of the Customs Union
"On the Security Machines and Equipment "**

1. Turbines and turbine installation;
2. Draught machine;

3. Crushers;
4. Diesel generators;
5. Devices for lifting operations.
6. Conveyors;
7. Electric hoist rope and chain;
8. Manufacturing floor trackless transport;
9. Chemical equipment, oil and gas;
10. Equipment for the processing of polymeric materials;
11. Pumping equipment (pumps, pumping units and installation);
12. Cryogenic equipment, compressors, refrigeration, torch, gas treatment:
 - Set air separation and rare gases;
 - Equipment for the treatment and purification of gases and liquids, equipment heat and mass transfer of cryogenic systems and installations;
 - Compressors (air or gas driven);
 - Refrigerating.
13. Equipment for the processing of metals and flame plating products
14. Equipment Gas and dust;
15. Equipment for pulp and paper;
16. Papermaking equipment;
17. Oilfield equipment, drilling geological exploration;
18. Manufacturing equipment and apparatus for applying coatings to the products of mechanical engineering;
19. Equipment for liquid ammonia;
20. Equipment for the preparation and purification of drinking water;
21. Metalworking;
22. Metal-forming machine;
23. Woodworking equipment (except household woodworking machines);
24. Technological equipment for the foundry;
25. Welding and thermal spraying;
26. Industrial tractors;
27. Forklifts;
28. Bicycles (except for children);
29. Machines for excavation, land reclamation, development and maintenance of mining;
30. Road machine, equipment for making mixes
31. Equipment and machinery construction.
32. Equipment for construction materials

33. Manufacturing equipment for logging, and timber rafting timber yard (except gasoline-powered saws and electric chain)
34. Technological equipment for the peat industry
35. Industrial laundry equipment
36. Equipment for dry-cleaning and dyeing of clothes and household goods
37. Machinery and equipment for utilities
38. Industrial fans.
39. Industrial conditioners.
40. Heaters and air coolers
41. Manufacturing equipment for light industry
42. Technological equipment for the textile industry
43. Technological equipment for the production of chemical fibers, glass fibers and asbestos fibers
44. Processing equipment for the food, dairy and fish industry
45. Technological equipment for milling, feed and elevating equipment
46. Technological equipment for the enterprises of trade, public catering and canteens
47. Polygraph equipment
48. Manufacturing equipment for glass, porcelain, earthenware and cable industry.
49. Heating boilers using liquid and solid fuels
50. Gas and dual fuel burners (except block), oil, plug-in equipment intended for use in industrial processes in the industry.
51. Water heaters and heating devices using liquid and solid fuels
52. Mills:
 - Cutters multifaceted carbide;
 - Cutting and slitting cutters HSS;
 - Tungsten carbide cutters.
53. Incisors:
 - Cutters with carbide tipped
 - Cutters multifaceted carbide
54. Circular saws with carbide inserts for wood processing
55. Fitter tools with insulated handles for work in electrical installations up to 1000 V
56. Shell-cutter:
 - Milling cutters for wood with shell-relieved teeth;
 - Shell-wood processing mill with knives made of steel or carbide;
 - Shaft-mounted helical cutter teams.
57. Tool of natural and synthetic diamonds:
 - Diamond grinding;

- Circles diamond saw.

58. Tool of synthetic super hard materials based on boron nitride (CBN tool):

- Grinding wheels.

59. Industrial valves.

60. Abrasive, Abrasive materials:

- Grinding wheels, including hand tools;

- Cut-off wheels;

- Polishing discs;

- Grinding wheels flap;

- Grinding endless belt;

- Grinding fiber wheels.

Members of the Coordinating Committee for Technical Regulation, the application of sanitary, veterinary and phytosanitary measures, and authorized representatives of the parties:					
From the Republic of Belarus		Of the Republic of Kazakhstan		From the Russian Federation	
	VN Roots		RA Satbaev		VY Salamatov
	VM Kazakevich		SS Khasenov		ON Aldoshin
	IA Zastenskaya		NO Sadvakasov		AL Safonov
Executive secretary of the Coordination Committee				MG Chuiko	

English translation arranged by Eurex.
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