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**ENGLISH TEXT OF TECHNICAL REGULATIONS
OF THE CUSTOMS UNION
TR CU 002/2011
"On high-speed rail safety"**

(Approved by the decision of the Commission of the Customs Union on July 15, 2011 № 710)

Article 1.

Scope

1. This technical regulation of the Customs Union (hereinafter - CU) applies to high-speed rail transport.

The object of the present technical regulation technical regulations vehicle is high-speed rail transport, which includes:

a) Newly developed (upgradeable), manufactured by high-speed rail rolling stock and its components that are available for treatment on tracks shared 1520mm in the customs territory of the states - members of the CU with speeds over 200 km / h

b) High-speed rail infrastructure, which includes:

Subsystem high-speed rail infrastructure such as rail, rail power supply, railway Automation and Remote Control, railway telecommunications, as well as station buildings, structures and facilities;

Components of subsystems and components parts subsystems high-speed rail infrastructure.

Requirements of these technical regulations applicable to the CU objects of technical regulation in accordance with the list number in accordance with Annex 1.

2. Requirements of these technical regulations are required in the design of vehicle (including research), manufacturing, construction, installation, commissioning, acceptance and commissioning of high-speed rolling stock and its components, infrastructure, high-speed rail, the construction of which is completed, as well as evaluating product conformity.

Requirements for the operation of high-speed rail transport in terms of traffic safety established by the legislation of the Rail - CU members.

3. This technical regulation establishes requirements for the vehicle high-speed rail in order to protect the life and health of humans, animals and plants, preservation of the property, as well as prevention of actions misleading consumers (users) with respect to its purpose and security.

Article 2.

Definitions

This technical regulations vehicle the following terms and their definitions:

Emergency crash system - device high-speed rail rolling stock, aimed at preventing or reducing the risk of injury to personnel and (or) passengers in the event of a collision and (or) the vanishing high-speed rail rolling stock;

automatic locomotive signaling - a complex of devices for transmitting signals in the driver's cab of travel of traffic lights, which is approaching high-speed rail rolling stock;

Automatic brake - a device that automatically stops the high-speed rolling stock when disconnected or broken air guide lines and (or) when you open the tap emergency brake (emergency brake);

safety of high-speed rail - the state of high-speed rail, for which there is no unacceptable risk associated with harm to life or health of citizens, property of individuals or legal entities, state or municipal property, and the environment, the life or health of animals and plants;

Issuance of - the stage of product life cycle from production to its commissioning;

High rolling stock - motor and non-motor cars, which make up the high-speed rail rolling stock designed to carry passengers and (or) luggage, postal items at a speed exceeding 200 km / h;

size high-speed rail rolling stock - cross perpendicular to the axis path outline, which, without going outside, must be placed horizontally mounted on the forward path (for the most disadvantaged in a rut and no lateral inclinations on the springs and dynamic vibration) as empty, and in loaded state high-speed rail rolling stock, including having the maximum normalized indicator;

loading gauge - limiting cross-axis perpendicular to the outline of the railway track, which in addition to the inside of rolling stock should not get any of the structures and facilities, as well as lying about the railway track materials, spare parts and equipment, except parts of devices designed for direct interaction with railway rolling stock (contact wire with fasteners, hydraulic trunks columns in the recruitment of water, etc.), provided that the location of these devices in space vnutrigabaritnom linked to the relevant parts of the rolling stock and that they cannot cause contact with the other elements of the railway rolling stock ;

proof security - paper on the safety of products containing the body of evidence of product conformity to the safety requirements laid down in the regulatory, design documentation, and evidence of conformity of product safety allowable values;

acceptable risk - the risk value from the use of infrastructure and rolling stock high-speed rail on the basis of technical and economic possibilities manufacturer, corresponding to the level of safety that should be ensured at all stages of the product life cycle;

Unit high-speed rolling stock - motor and non-motor cars, which make up the high-speed railway rolling stock;

Railway Automation and Remote Control - subsystem high-speed rail infrastructure, which includes a set of technical facilities and installations of signaling, centralization and blocking, providing high-speed motion control of rolling stock on stages and stations and shunting;

railway station - a point which separates the railway line on the stretch or block sites, operates high-speed rail infrastructure, has gridiron, allows you to perform operations for receiving, sending and overtaking trains, passenger service and receiving, issuing of goods, luggage and cargo, and developed with the travel devices - perform shunting to disband and form trains and technical operations with trains;

Railway Telecommunications - subsystem high-speed rail infrastructure, which includes a set of technical facilities and installations, providing formation, receiving, processing, storage, transmission and delivery of electronic messages in the organization and execution of processes high-speed rail;

rail power supply - subsystem high-speed rail infrastructure, which includes a set of technical facilities and installations, which supplies electricity consuming subsystems high-speed rail infrastructure, as well as power supply high-speed railway rolling stock;

Railroad - subsystem high-speed rail infrastructure, including the permanent way, roadbed, drains, culverts, protivodeformatsionnye, defensive fortifications and subgrade located in the ROW, as well as man-made structures;

Identification of products - a procedure to establish compliance of these products submitted technical documentation;

Innovative products - products, technological characteristics (functional features, design realization, additional operations, as well as the composition of materials and components), or the intended use of which is brand new or significantly different from that previously manufactured products;

Supervisory control - control conformity assessment carried out in order to establish that the product continues to meet the specified requirements of technical regulations CU confirmed during certification;

driver's cab - Body partitioned high-speed rail rolling stock, in which jobs are located locomotive crews, equipment and devices for controlling high-speed railway rolling stock;

Design speed of high-speed railway rolling stock - the highest speed, stated in the technical documentation for the project;

Contact network - a set of wires, structures and equipment to ensure the transmission of electrical energy from the traction substations to the high-speed rail trolleys rolling stock;

Crane emergency brake (emergency brake) - brake valve that is used to release air from the brake line of high-speed railway rolling stock and activating automatic brakes if necessary emergency stop;

Magnitorelsovy brake - the device that produces the braking force by electromagnetic attraction between the brake shoe to the rail;

Assigned resource - the total time of production, above which its operation is to be terminated, regardless of its condition;

Specified lifetime - calendar duration of operation of production above which the operation of the product should be stopped, regardless of its condition;

Designated period - calendar duration of storage products, when the storage of products which must be stopped, regardless of its condition;

safety case - a document containing an analysis of risk, as well as details of the design, operation, technical documentation about the minimum required safety measures accompanying the products at all stages of the life cycle and is supplemented by information on the results of risk assessment at the operational stage after repair;

Infrastructure to high-speed rail - part subsystems high-speed rail infrastructure or set of components of its subsystems;

Risk evaluation - the process of comparing the levels of risk analyzed with pre-established criteria and identifies areas that require risk treatment;

passport - a document containing information certifying the manufacturer's warranty, the values of the basic parameters and characteristics (properties) of the product as well as information about certification and disposal of products;

Stage - part of the railway line, bounded adjacent railway stations, sidings, and overtaking points or by limit posts;

Air-brake - brake pneumatically operated;

Controlled operation - nominal exploitation of high-speed rail rolling stock and infrastructure of high-speed rail, accompanied by additional control and taking into account the technical state of the high-speed rolling stock and infrastructure high-speed rail;

Limit state - the state of infrastructure and rolling stock high-speed rail, in which their continued operation is invalid or impractical or restore their health is impossible or impractical;

Acceptance - a form of conformity assessment of the infrastructure of high-speed rail, construction is completed, the requirements hereof CU;

Products - high-speed rail rolling stock and its components, as well as elements of the components of high-speed rail infrastructure or set of elements of the components of the subsystems;

Regenerative braking - braking high-speed rolling stock, carried out by electrodynamic brakes, in which the translation released by the traction motors in the regenerative electric power is transferred to the contact network;

repair documentation - documentation containing instructions for repair organization, rules and procedures for fulfillment of major, medium and minor repairs, regulation, testing, preservation, transportation and storage of products after repair, installation and testing, as well as the values of the indicators and standards, which should products meet after repair;

manual - a document containing information on the design, principle of operation, characteristics (properties) of the product and the instructions necessary for the proper and safe operation of the product (intended use, maintenance, repairs, storage and transportation), estimates its condition at determining whether to send in for repair, as well as disposal of products;

Certified products - products, mandatory confirmation of conformity with the technical regulations which vehicle is produced in the form of certification;

part of high-speed railway rolling stock - detail, subassembly, or a complex set included in the design of high-speed rail rolling stock and to ensure its safe operation, security personnel and (or) passengers;

Part of subsystems - facilities, buildings, equipment and special purpose equipment, ensure the functioning of the subsystems high-speed rail infrastructure and safe movement of high-speed rail rolling stock.

station buildings, structures and facilities - infrastructure subsystem of high-speed rail, including the technological complexes of buildings, structures, equipment for the production of railway stations operations with goods, mailings and trains, maintenance and repair of high-speed rail infrastructure and high-speed rolling stock and for serving passengers;

parking brake - a device with manual or automatic drive unit located on high-speed rail rolling stock and intended to secure it in the parking lot of spontaneous care, as well as to force an emergency stop in the presence of a manual or automatic drive unit within the high-speed railway rolling stock;

Technical interoperability - the ability of high-speed rail rolling stock to interact with each other and with the infrastructure of high-speed rail in accordance with the requirements of this technical regulation;

Inhibition of high-speed railway rolling stock - impact on the instruments and devices for controlling the brakes to reduce speed or stop moving high-speed railway rolling stock;

braking distance - distance traveled by high-speed rail rolling stock for the time from exposure to instruments and devices for controlling the braking system, including triggering tap emergency brake (emergency brake), to a complete stop;

Form - a document containing information certifying the manufacturer's warranty, the values of the basic parameters and characteristics (properties) products represent the state of the above products, information about certification and disposal of products and information that contribute during its operation (duration and conditions of work, maintenance, repair, etc.);

operational documentation - design documentation, which alone or in conjunction with other documentation defines the rules for operation of production and (or) reflects the information certifying manufacturer guaranteed values of the basic parameters and characteristics (properties) products, as well as guarantees and information on its operation within the prescribed life;

Emergency braking - braking, used in cases requiring immediate stop high-speed rail rolling stock, through the implementation of the maximum braking force;

Electrodynamics brake - a device in which the braking force is created when converting the kinetic energy of the high-speed rolling stock into electrical energy by converting the traction motors as a generator;

Electro-pneumatic brake - braking device electrically controlled pneumatic brake;

Subsystem element - the product or design, used in the construction and installation of the infrastructure subsystem part of high-speed rail.

Article 3.
Handling market

1. High-speed railway rolling stock, its components, as well as facilities and infrastructure to high-speed rail are brought into circulation on the market provided that they meet this technical regulation of TS, as well as other technical regulations vehicle or technical regulations of the Eurasian Economic Community (hereinafter - EAEC) , the effect of which they are subject.
2. High-speed railway rolling stock, its components, as well as facilities and infrastructure to high-speed rail, which match the requirements hereof CU is not confirmed, should not be labeled with a mark of products on the market states - members of the CU and allowed to release into circulation market.

Article 4.
Safety

1. This technical regulation to the extent that the CU risk of harm establishes minimum requirements for products, the implementation of which provides:
 - a) The safety of radiation;
 - b) Biological safety;
 - c) Explosion;
 - g) Hydro meteorological safety;
 - d) Mechanical safety;
 - e) Fire safety;
 - g) Industrial safety;
 - h) Thermal safety;
 - And) chemical safety;
 - k) Electrical safety;
 - l) Electromagnetic compatibility regarding safety operation of devices and equipment;

m) Traceability.

2. When designing infrastructure and high-speed rail products should be assessed risk calculation, experimental and expert way, including data on operating similar infrastructure facilities and high-speed rail products. Methods of risk assessment can be set in the standards or other standardization documents (hereinafter - the standards), included in the lists of standards used for the purposes of assessment (confirmation) of compliance with technical regulations vehicle.

3. Safety infrastructure and high-speed rail products shall be provided by:

- a) Implementation of a set of research and development work in the design of high-speed rail infrastructure and transport products;
- b) The application of proven technical solutions;
- c) Establish designated lifetimes and (or) production resources, as well as maintenance and repairs as often as necessary;
- g) Of complex calculations based on proven methodologies;
- d) the choice of materials and substances used in the design (including research), manufacturing, construction, installation, commissioning and commissioning of infrastructure and high-speed rail products depending on the parameters and operating conditions;
- e) Establish criteria limit states;
- g) Compliance with the control of project documentation by copyright oversight by the designer;
- h) Determining the conditions and methods of utilization of production;
- i) Establishing parameters weather hazards for high-speed rolling stock and organization tool for monitoring the occurrence of severe weather events;
- a) Assess the suitability of products.

4. Infrastructure high-speed rail and products for strength, stability and technical conditions must ensure the safe movement of high-speed rolling stock with the highest speeds within acceptable values.

5. Infrastructure high-speed rail and products must provide:

- a) Compliance with dimensions of rolling stock;
- b) Complying side obstacles;

- c) The conditions of operation, taking into account outdoor climatic, geophysical and mechanical effects;
- g) Technical compatibility with rail infrastructure and other railway rolling stock operated on this infrastructure;
- d) The stability of the vanishing of the rail wheels;
- e) The stability of high-speed rolling stock from tipping over in the curved sections of track;
- g) Prevent inadvertent withdrawal from a parking lot;
- h) High-speed rail traction rolling stock for the transmission of dynamic forces on the modes of traction and braking;
- s) Permitted braking distance;
- k) Linear loads exceedance, maximum permissible forces to influence the way the calculated axial loads;
- l) Fall prevention components of the high-speed rolling stock on a railway track;
- m) Compliance with the maximum permissible forces traction, braking and acceleration values;
- n) sanitary-epidemiological, environmental and hydro meteorological safety;
- a) Electromagnetic compatibility of electrical safety in the work of the instruments and equipment;
- n) Electromagnetic compatibility of electrical devices railway automation and remote control of railway telecommunication infrastructure high-speed rail;
- p) Fulfill the requirements of fire safety;
- c) Allowable tensile loading conditions and impacts;
Tons) of plastic deformation upon application of longitudinal and vertical settlement dynamic loads;
- y) low-cycle fatigue resistance and multicycle loading conditions;
- f) The safety and reliability of electrical equipment throughout the range of operating conditions (at nominal and boundary mode power supply);
- x) Lack of touches parts high-speed rail rolling stock between themselves and with the elements of high-speed rail infrastructure that is not covered by the design documentation;
- c) High-speed rail traction rolling stock in the curved sections of the railway track;
- h) Compliance with the requirements of energy efficiency.

6. When designing infrastructure and high-speed rail production designer (developer) must choose solutions that provide by legislation states - members of the CU permissible levels of harmful and (or) hazardous effects on the lives and health of humans, animals and plants.
7. Selected designer (developer) construction of infrastructure and high-speed rail products should be safe during its service life, and (or) resource assigned shelf life, as well as to withstand impact and stresses to which they may be subjected in service.
8. When designing high-speed railway rolling stock and their parts designer (developer) should provide emergency crash-protection systems for personnel and (or) passengers in the event of a collision and (or) the vanishing high-speed rail rolling stock.
9. When designing infrastructure and high-speed rail production designer (developer), as appropriate, shall provide software tools to ensure safe operation of high-speed rail infrastructure and products.
10. Changes to the design of high-speed railway rolling stock and their parts, as well as project documentation infrastructure construction high-speed rail should not be reduced set when designing the safety requirements stipulated by the present technical regulation CU.
11. In case of changes in product design or manufacturing technology affecting safety must be held mandatory conformity assessment of products in the manner prescribed in Article 6 of this technical regulation of TS.
12. The products must be clearly distinguishable identification and warning labels and labeling, which must be repeated and explained in the manual.
13. High-speed railway rolling stock in accordance with the design documentation must be marked as follows, providing product identification irrespective of the year of its release:
 - a) A single sign of products on the market states - members of the CU;
 - b) The manufacturer's name and (or) its trademark;
 - c) The product name and (or) the designation of series or type, number;
 - g) The date of manufacture;
 - d) The tare weight;
 - e) Design speed;
 - g) Plate or label on repairs carried out;
 - h) The number of seats for passengers (for high-speed rolling stock designed to carry passengers).

14. Components of the high-speed rolling stock and components, subsystems, high-speed rail infrastructure elements and components of the infrastructure sub-high-speed rail in accordance with the design documentation must be marked, providing product identification irrespective of the year of its release, including:

- a) A single sign of products on the market states - members of the CU;
- b) The manufacturer's name or trademark name of the product;
- c) The date of manufacture.

Allowed only marking on the packaging and instruction in accompanying product operational documents, if it cannot be applied directly to the product because of design features of products.

15. Means of measurement related to the scope of state regulation to ensure uniformity of measurements that are installed on the high-speed railway rolling stock and infrastructure of high-speed rail, must be type-approved and bear a verification and (or) test certificate in accordance with the legislation on ensuring the uniformity of measurements states - members of the CU.

16. Wheel sets high-speed rail rolling stock in accordance with the design documentation must have signs marking and branding.

17. Glasses cab cars and high-speed rail rolling stock in accordance with the design documentation must be marked as follows:

- a) Mark of market states - members of the CU;
- b) The manufacturer's name and (or) its trademark;
- c) The designation of the glass;
- g) Protection class;
- d) Information on the certification.

18. Marking and operational documents are executed in the official language of the state - a member of the CU, which manufactured products, and in Russian.

19. The level of electromagnetic interference generated by the products shall not exceed the limits within which these disturbances do not affect the operation of infrastructure high-speed rail and other products, as well as high-speed rail rolling stock.

20. For products should be provided how to recycle hazardous elements components subsystems in order to prevent their use after the termination of their operation.

21. Prior to the commissioning of high-speed rail infrastructure and products provided by the project documentation is to be marked either installed and warning notices about the dangers and conditions of safe operation.

22. During commissioning of infrastructure and high-speed rail products necessary to have a set of operational and maintenance documentation.

23. The design, construction and commissioning of infrastructure and high-speed rail products, the requirements of the legislation states - members of the CU in the field of environmental protection.

24. When designing infrastructure and high-speed rail production standards should be considered permissible anthropogenic load on the environment, to include measures to prevent and eliminate pollution and waste disposal methods of production and consumption, resource used, low-waste, zero-waste and other modern technologies promoting environmental protection and restoration of the natural environment, as well as the rational use and reproduction of natural resources.

25. During the construction of infrastructure and high-speed rail products should be taken for environmental protection and restoration of the natural environment, land reclamation and landscaping in accordance with the laws of - members of the CU.

26. The design, construction and commissioning of infrastructure and high-speed rail products should be provided and implemented measures to ensure the preservation of wildlife migration routes and places of their permanent residence, including during the breeding and wintering grounds.

27. Safety requirements for high-speed railway rolling stock and their parts are given in paragraphs 28 - 81 of this article, the safety requirements for high-speed rail infrastructure and its constituent parts are given in paragraphs 82 - 86 of this article.

28. High-speed railway rolling stock, location and installation of its equipment must ensure the safety of operating personnel in the operation, inspection, maintenance, and repair.

High-speed railway rolling stock should have specific steps, handrails or arrangements to ensure the safety of operating personnel in the operation, inspection, maintenance, and repair.

29. Control systems, control and safety of high-speed rolling stock must deliver a usable state for all anticipated operating conditions and external influences all provided in the manual.

Management and control system of high-speed rolling stock shall exclude the creation of dangerous situations when possible logical errors attendants.

30. Control systems, control and safety should include means of signaling and information, warning of violations serviceable condition high-speed rail rolling stock and their parts, which can lead to situations that threaten safety.

31. The software high-speed rolling stock as recessed and delivered on physical media, must provide:

- a) Performance reboots caused by failures and (or) hardware failures, and integrity in their own fault;
- b) protection against computer viruses, unauthorized access, the consequences of failures, errors and failures in storage, input, processing and output of information, the possibility of accidental changes to information;
- c) Compliance with the properties and characteristics described in the accompanying documentation.

32. High-speed railway rolling stock must have software version specified in the declaration of conformity software requirements hereof vehicle.

33. The control system, control and safety of high-speed rolling stock in case of traction drive and other equipment malfunction in the electrical, hydraulic and (or) pneumatic parts, software failure should not allow changes in the characteristics and modes of operation, which may lead to a breach safe-state high-speed rail rolling stock. Fault management system with correct operation of onboard safety devices must not lead to a halt high-speed rolling stock and violate its design characteristics.

34. Instruments and apparatus for controlling high-speed rail rolling stock should be:

- a) Provided with inscriptions and (or) symbols in accordance with the design documentation;
- b) Designed and located so as to prevent their inadvertent switching on and off or switch;
- c) Placed given the importance of their functions, sequence and frequency of use.

35. High-speed rolling stock shall be equipped with the following devices:

- a) Train radio;
- b) Automated control system that provides speed control and the ability to receive (transmit) voice data at the entrances to the input and output traffic lights, level crossings and stations;
- c) Recorders motion parameters;

- d) Automatic locomotive signaling;
- d) electro-pneumatic brake;
- f) Connection "passenger - driver";
- g) Alarm control closing doors;
- h) An automatic fire alarm.

36. Head cars high-speed rolling stock shall be equipped with satellite navigation equipment, promoting traffic safety.

37. Onboard safety devices high-speed rail rolling stock must provide:

a) receiving signals from the train situation centralized traffic control system and supervisory control, alarm systems, centralization and blocking stations and spans, as well as other safety devices on board the high-speed railway rolling stock;

b) Determination of the parameters of high-speed railway rolling stock;

c) That information about high-speed rail rolling stock;

g) Diagnostic systems and devices of high-speed rail rolling stock, including a self-test;

d) The management of the electro-pneumatic brake;

e) Control of spontaneous care high-speed rail rolling stock;

g) Periodically check the driver vigilance;

h) Implementation of information exchange from data channel high-speed rail rolling stock, as well as using the means of communication, which is equipped with high-speed railway rolling stock;

And) driver information;

a) Automatic shutdown of high-speed rail rolling stock in case of loss of ability to control engineer high-speed rail rolling stock.

38. The cab driver's high-speed rail rolling stock must provide:

a) an unobstructed view of locomotive crew, located in the "sitting" and "standing" route, outdoor signals neighboring tract compositions and contact network;

b) Visibility in the "standing" one of the employees of the locomotive crew when approaching the composition of cars and work area personnel participating in the maneuvers;

c) An unobstructed view from the cabin at any time of year and day, in all weather conditions, at all speeds.

39. Windscreens cab high-speed rolling stock shall be secured in the windows and have a seal.

40. Distribution cab high-speed rail rolling stock, workplace layout of the locomotive crew, instruments and controls, information display systems, driver seat design must meet the requirements of ergonomics and systems engineering.

When designing the controller and driving position and his assistant should be considered requirements of ergonomics, providing ease of management from the "sitting" and "standing."

The design and arrangement of devices and control devices, measuring instruments, indicator lights on the control panel should provide visibility readings and displays of these during the day and at night when there is no glare from direct or reflected light.

Light settings in the cab, the brightness scales measuring devices must be within the permissible range.

41. High-speed rolling stock shall be equipped with systems of general, local and emergency lighting.

Emergency lighting should automatically switch to the independent power source (battery) in the absence of voltage main power supply. This should be possible to manually turn the emergency lighting.

42. Emergency escape cab high-speed rolling stock shall be provided through the side windows using assistive devices.

High-speed railway rolling stock shall be equipped with emergency exits on each side of the car and, if necessary, to have the means of emergency evacuation of personnel and (or) passengers.

To open the emergency exit must be sufficient efforts of one man.

43. Glazing interior high-speed rolling stock intended for staff and (or) passengers must ensure the safety of personnel and (or) the passengers in case of impacts on high-speed rail rolling stock while it is parked or in transit.

44. The inner parts of the high-speed rolling stock requiring inspection, adjustment and maintenance, and if necessary, outside the work equipment must have additional coverage.

45. High-speed rolling stock shall be equipped with automatic brakes, providing braking to slow or stop within the calculated braking distance.

Automatic brake high-speed rail rolling stock have the necessary functionality and reliability in various operating conditions, to provide smooth braking and stop high-speed rail rolling stock in violation of the integrity of the brake line or unauthorized decoupling units of high-speed rail rolling stock.

46. Automatic brake must allow the use of different modes of inhibition depending on the length of high-speed railway rolling stock and railway track profile.

47. Stop valves in high-speed railway rolling stock must be installed inside the passenger cars and sealed.

When you activate the emergency brake shall be possible to turn it off passengers. Audio and visual information about how to activate the emergency brake shall be transmitted to the train crew. Stop valves in passenger compartments must be able to lock the driver's cab.

48. High-speed rolling stock shall be equipped with parking brakes.

Parking brakes high-speed rail rolling stock should provide the estimated braking pressing and holding the unit high-speed rail rolling stock within the permissible range.

Helm handbrake must be equipped with devices preventing unintentional rotation of the wheel.

Allowed the use of automatic parking brakes.

49. Components of the high-speed rolling stock, separation or break which can cause them to fall on the railway track or exit from the contour high-speed rail rolling stock must have safety devices that can withstand the weight of the equipment to be protected within the permissible range.

50. The main air tanks and batteries of high-speed rolling stock must be installed outside the cab, passenger cabins and rooms for staff.

51. Electrodynamics brake high-speed rail rolling stock (if any) must be coordinated with the work of pneumatic and electro-pneumatic brakes in the implementation of the service or emergency braking. Upon cancellation of the electrodynamics brakes shall have its automatic substitution of a pneumatic brake.

52. The high-speed railway rolling stock should be additional measures to improve the braking performance and safety (for example, the use of disk, magnitorelsovyh brakes).

53. High-speed rolling stock shall be equipped with a coupling device that eliminates spontaneous separation units of rolling stock and ensuring its evacuation in an emergency.

The composition of automatic coupler must include energy absorbing device.

54. Wheels, axles and tires wheel set high-speed rail rolling stock must have static strength and fatigue resistance factor required that provide resistance to the formation and development of defects (cracks) in the period specified in the design documentation of their full examination. Mechanical properties, toughness and residual stress state of the wheels, axles and tires must provide mechanical safety during its service life.

55. The materials and substances used in the design and manufacture of high-speed railway rolling stock and their parts should be safe for humans and the environment.

56. Indicators microclimate, noise, infrasound, vibration, ultrasound, electromagnetic radiation, lighting, composition, ambient air operator's cab high-speed rail rolling stock, the interior high-speed rolling stock shall not exceed the allowable values for jobs.

External noise from high-speed rolling stock shall not exceed the allowable values.

57. Application liquids (acids, alkalis, liquefied gases) and lubricants in the production, operation, maintenance and repair of high-speed railway rolling stock and their parts must not lead to dangerous effects on the lives and health of humans, animals and plants.

58. Footsteps and handrails rolling stock shall be secured. Surface steps, platforms, chicanery and decking should prevent slipping.

59. The design of high-speed rolling stock shall be provided to lift jacks. Surface intended to come into contact with the heads of rams, should prevent them from slipping.

Should be possible to lift each piece of high-speed rolling stock wheel sets when coming off the rails using cranes and jacks, as well as the possibility of its transportation in a jammed wheel pair.

60. Speakers details of construction and equipment of high-speed railway rolling stock and their parts must not have sharp edges, edges and corners that could injure the wait staff and (or) passengers.

61. Materials and substances used for interior surfaces of high-speed rail cars salons rolling stock cabs high-speed rail rolling stock shall not exceed the allowable values and risk of fire development and the impact on people of fire hazards.

Passenger cars must be equipped with a partition between the compartments ognezaderzhivayushey conductors and the passenger compartment in the presence of conductor's compartment, and compartment cars - and between the compartments. Ceiling space in the compartment type and wagons on a large (main) train compartment corridor type should be shared at least 3 zones by setting fire retardant transoms.

The cab of a high-speed rolling stock should be separated by a fire-retardant partition from the rest of the high-speed rolling stock.

62. In high-speed railway rolling stock, safe passage for serviced staff and passengers from wagon to wagon on transitional sites. Design transition areas should be closed type, i.e. exclude the possibility of accidental contact of attendants and passengers with external elements of high-speed rolling stock, infrastructure elements of high-speed rail, such as the network of contacts, track structure, etc., as well as to minimize the impact of possible adverse environmental factors on the staff and passengers during their stay in the transition area.

63. Armchairs and sofas on high-speed rolling stock must have a strong attachment to the floor and design that avoids the possibility of tipping, including emergency braking.

Placement and mounting of personal luggage of passengers and staff should be made so as not to injure passengers and attendants during emergency braking and (or) emergency evacuation.

Disposition of high-speed rail cars rolling stock, the layout of seats for passengers and staff to meet the requirements of ergonomics and systems engineering.

64. Rotating electrical machines, fans, compressors and other equipment on high-speed rolling stock should be protected with special devices to prevent inadvertent contact of attendants and passengers with moving parts of the equipment on high-speed rail rolling stock.

65. Electrical equipment on high-speed rolling stock should be protected and the alarm is tripped if overload, short circuit, earth fault, when a surge of electrical equipment, as well as the removal of the voltage in the catenary system with regenerative braking, skidding and use of wheel sets. Motor protection should exclude damage to electrical equipment and must not lead to dangerous consequences: unacceptable heating, resulting in smoke or fire, and (or) overvoltage leading to electrical insulation breakdown.

66. Unprotected (non-insulated) parts of the electrical equipment on high-speed rolling stock under voltage must be protected from accidental access of personnel and (or) passengers.

Metal shell electrical equipment, as well as all guards (including pipes), attachment structure of live parts, which in the case of a fault may be at a voltage exceeding allowable limits must be grounded on the case of high-speed rolling stock.

67. High-speed rolling stock shall be equipped with storage space for sets of electrical equipment, as well as other special equipment necessary for the maintenance and safe operation of high-speed rail rolling stock.

68. The level of electromagnetic interference generated by high-speed rail rolling stock and its components shall not exceed the limits within which such interference cannot affect the operation of infrastructure and high-speed rail operated on her high-speed rail rolling stock.
69. Overpressure and vacuum head airwave derived from the movement of high-speed rolling stock should have no harmful effect on the occupants of passenger platforms on or in the immediate vicinity of the railway track.
70. The battery box must be explosion-proof.
71. High-speed rolling stock shall be equipped with fire alarm systems, fire-fighting, special locations for fire extinguishers, fire-fighting equipment. Fire alarm system shall issue an acoustic and (or) optical information indicating the location of deck, automatically detect a fault (short circuit, open circuit) in the lines of communication with the detectors by the control panel, and it should be possible to periodically check their serviceability.
72. High-speed rolling stock shall be equipped with the following devices:
- A) air conditioning (heating, cooling, ventilation), smoking should be equipped with a separate ventilation system, outputting air outside the premises without recycling;
 - b) Vnutripoezdnaya telephone;
 - c) Heating control system box;
 - g) System of drinking and domestic water supply;
 - d) Environmentally friendly toilet complexes.
73. Wagons high speed rolling stock shall be equipped directly located in the passenger compartment devices to communicate with passenger's locomotive or train crew.
74. Entry door wagon high-speed rail rolling stock shall be equipped with systems (devices) opening (closing) and a control system that ensures the safety of operating personnel and (or) passengers.
- Entrance door wagon high-speed rail rolling stock shall be equipped with locking devices, excluded them from opening passengers or strangers while driving the train.

75. Emergency opening entrance door wagon high-speed rail rolling stock should be carried out according to a standard scheme with their fixation in the open position. Emergency opening entrance doors leaning type must be in manual mode at a speed of high-speed rolling stock within the permissible range.

76. High-speed rolling stock shall be equipped with seats designed for the passage of persons with disabilities and passengers with children.

77. Wagons high-speed rail rolling stock intended for the passage of people with limitations in mobility must be equipped with the following devices:

- a) A device for rapid ascent, descent and reliable fastening wheelchairs;
- b) Special bathrooms with a larger area;
- c) Passes widths.

78. High-speed rolling stock shall be equipped with visual and audible alarm.

79. The frontal part of the head coaches of high-speed rolling stock shall be equipped with a searchlight and two signal taillights with the right and left sides.

Spotlight to be installed along the longitudinal axis of symmetry of the head car high-speed rail rolling stock. The spotlight should be directed parallel to the horizontal plane of the railway track. Scheme incorporating spotlights should allow the inclusion of bright light, providing a nominal axial force of light and dim light.

It shall be possible redundancy of the spotlight during the movement of high-speed rolling stock.

80. High-speed rolling stock shall be equipped with an audible warning device - high volume (TYFONS) and low volume (whistles). Device to enable Typhon and the whistle should be located in the zone of optimal reach of the driver and assistant driver. Control system beeps high-speed rail rolling stock must be duplication - include devices for immediate direct air control valve Typhon by mechanical action.

81. Pantograph high-speed rolling stock shall be equipped with an emergency lowering of the pantograph when hit by an obstacle located below the surface friction of the contact wire.

The ratio of the wind component clicking runner subsector high-speed rail rolling stock on the contact wire to the static pressing must not exceed the allowable values.

82. To ensure the safety of the railway track, railway track component parts and elements of the components of the railway track for the following requirements:

- a) all components of the railway track (roadbed, track structure and other) elements and components of the railway track (rails, turnouts, rail fasteners, sleepers, ballast and others) for strength, stability and bearing capacity must ensure the safe movement of high-speed railway rolling stock with the highest speeds within acceptable values;
- b) Track structure and subgrade should ensure stability of the railway line in plan and longitudinal profile. Geometric parameters of the curves should be installed so as to ensure the stability of high-speed rail rolling stock, immediately prevents the wheels from the rails and rollover;
- c) The level of the roadbed on the edge approaches to culverts over streams at the location of the path along the rivers and reservoirs, as well as strengthened by the top of the slope must extend a predetermined amount above the highest water level calculated on the basis of a given probability of exceedance;
- g) design welded rails shall exclude emissions of rail grid, while the impact of train and temperature loads;
- d) artificial structures must have devices for safe handling facilities themselves and the ways (sidewalks, shelters with railings, bridge deck, niche camera, stairs with handrails gatherings, special viewing of the items opovestitelnaya alarm and others);
- e) turnouts must have devices to prevent unauthorized transfer of wits and moving parts during crossings of high-speed railway rolling stock;
- g) the geometric cross-sectional dimensions and designs of tunnels should be adapted to minimize the value of the excess of the aerodynamic pressure formed at the entrance to the tunnel and moving it high-speed railway rolling stock;
- h) when designing infrastructure high-speed rail, including components of track, as well as in product design, including elements of the components of the railway line, should be carried out special research for decision-making to reduce aerodynamic pressure fluctuations in the tunnels, closed cavities and underground stations when passing high-speed rolling stock with maximum speeds;
- i) the content of harmful substances in the tunnel must not exceed their maximum allowable concentration in the ambient air;
- a) the design and construction of railways is not permitted by their intersection with roads and lines of urban transport on the same level.
- l) the intersection of railways to pipelines for various purposes, and non-members of the high-speed rail infrastructure, overhead or underground possible (under the roadbed) methods with the conclusion (at underground method) over the pipeline at a predetermined depth and in a protective

- tube or tunnel. Device is not permitted in the body crossings mound. When an overhead crossing of tracks with pipelines should be enforced side obstacles. The apparatus of these intersections is coordinated with the infrastructure owner high-speed rail;
- m) places the transition of people driving cattle and wildlife migration routes through tracks are designed and equipped at different levels;
 - n) the set speed of high-speed rolling stock for turnouts on the side of the path should not lead to the appearance of lateral acceleration in excess of allowable values;
 - o) for vibration located near the railway track settlements, buildings and structures when passing high-speed rail rolling stock must not exceed allowable values;
 - n) structures and facilities located in close proximity along the railway (soundproof walls, etc.) should have a place to shelter attendants during the passage of high-speed railway rolling stock;
 - p) railway line shall be equipped with noise protection facilities and devices to reduce noise from high-speed rail rolling stock to acceptable values;
 - c) railway line shall be protected throughout to prevent unauthorized access to the train tracks outside people and animals;
 - m) guard rail track shall be equipped with technical means to detect unauthorized intrusion of humans and animals on the track;
 - y) in areas of strong side winds, which can lead to overturning and derailment of high-speed rolling stock shall be provided for measures to limit the impact of such winds on the high-speed rail rolling stock moving at the maximum statutory rate;
 - f) plots possible importation of railways should be equipped with snow snegozaderzhivayuschimi devices;
 - x) of railroad tracks shall provide for measures to protect passengers and staff in emergency situations.

83. To ensure the safety of the railway supply, component parts and elements of the railway supply rail supply parts for the following requirements:

- a) compliance with the conditions under which provided:
 - safe distance from the elements parts supply rail under tension, to earthed parts, ground, decking pedestrian bridges, ladders, passenger platforms;
 - safe distance from the elements parts supply to railway lines, not part of the high-speed rail infrastructure;
 - voltage not exceeding the allowable value when touching electrical enclosures and other metal structures;
 - presence of barriers and locks that prevent unauthorized entry into dangerous areas or touch components to the elements of railway power supply under voltage;

level of radio interference elements parts supply rail, not exceeding the allowable value;

automatic shutdown of traction network or power lines in the event of such regimes, which can lead to malfunction or damage serviceable condition rail power supply and other infrastructure subsystems high-speed rail;

the presence of warning signs;

fire safety in both the normal and emergency modes;

b) the use of equipment, the parameters of which provide:

dielectric strength not less than the allowable value;

temperature rise of current carrying parts of equipment over ambient temperature at rated current not exceeding the allowable value;

the ratio of the smallest insulating gap in which there is no signal on the open position disconnect or contact network to the largest dimension of the insulating gap of not less than the allowable value;

safety factor in strength of poles for catenary poles foundations and beams hard crossbar no less valid value;

deflection in the middle of the supporting structures of the contact network is not a valid value;

diode reverses voltage earthing at least permissible value;

surge voltage protection device firing stations splicing within acceptable values;

necessary level of protection from dangerous and harmful effects of electromagnetic fields;

automatic shut-off elements parts supply train in emergency mode (overload, overheat, short circuit, etc.), excluding fire of its parts;

c) ensuring the mechanical strength of the railway equipment under the influence of electricity:

- operating loads;
- loads calculated in emergency conditions;
- installation loads;

g) the safe operation of the railway power supply, while the impact of operational or emergency loads and climatic factors relevant regulatory indicators area of operation, including modes for minimum temperature, maximum temperature, maximum wind speed with the wind or ice;

d) security operational and operational and maintenance personnel from possible exposure to the voltage and electric shock by:

establishing disconnections visible break in all the circuits of distribution devices (except for cells with withdraw able units), enabling disconnect all devices from voltage sources;

All switchgear equipment Above 1000 V traction and transformer substations, as well as parts of linear elements rail power supply grounding stationary knives for ground vehicles and bus systems and locks or other devices to prevent erroneous operations, the ability to perform a switching devices;

stationary equipment fences, ladders for climbing transformers locks or other devices, providing the possibility of opening the fences, bringing ladders to the operating position only when the earthling knives;

e) ensure that the components by elements of railway electricity supply high-speed rolling stock, buildings and infrastructure subsystems devices high-speed rail power with quality, ensuring their safe operation and energy efficiency.

84. To ensure the safety of railway automation and remote control, component parts of railway automation and remote control elements and components of railway automation and remote control for the following requirements:

a) all components of the automation and remote control components and elements of automation and remote control must ensure the safe movement of high-speed rolling stock at a specified rate and a minimum interval of repetition;

b) centralized traffic control and supervisory control of high-speed rolling stock must provide:

centralized management arrows and traffic lights one or more stations and spans the railway track from one control center to provide backup power interlocking device management at these stations and track positions;

continuous monitoring of the position of arrows and free (employment) hauls, tracks at stations and stations adjacent to block sites and reading the input, output routing and traffic lights;

continuous monitoring of the technical state of alarm devices, centralization and blocking stations and spans;

ability to change the parameters of motion under false employment block sites, including emergency stop high-speed rolling stock and transfer permit movement of high-speed rail rolling stock for prosledovaniya with prohibitory traffic indication;

transmission of data required to notify passengers of high-speed rail rolling stock, as well as notification of employees performing work on the railroad tracks, on the approximation of high-speed railway rolling stock;

c) signaling, centralization and blocking stations and spans should provide:

pass high-speed rail rolling stock set disjoint routes defined speeds in both directions at the stations and on each path haul;

prevention (blocking) input high-speed rail rolling stock section of track, which is occupied by another high-speed rail rolling stock;

position control of high-speed rolling stock, hand position, control of their situation and the outer locking when preparing a route, as well as traffic lights management and execution of the required sequence of interdependent operations;

technical inspection devices and equipment and if necessary their reservations;

automatic notification of approaching high-speed rail rolling stock in railway stations;

preventing translation arrows under high-speed rail rolling stock;

g) technical system diagnostics and monitoring should ensure state control devices predotkaznogo railway automation and remote control;

d) railroad automation and Remote Control must be compatible with other subsystems infrastructure high-speed rail and high-speed railway rolling stock;

e) railway Automation and Remote Control, parts of railway automation and remote control elements and components of railway automation and remote control should maintain a healthy state for all anticipated in the design conditions and operations within their assigned service life.

85. To ensure the safety of the railway telecommunication component parts and elements of the railway telecommunication components railway telecommunications for the following requirements:

a) railway telecommunications, railway telecommunications components and elements of the railway telecommunication components must ensure the safe movement of high-speed rolling stock at a specified rate and a minimum interval of repetition;

b) railway telecommunications, railway telecommunications components and elements of the railway telecommunication components must monitor operating parameters, and integrated communications network control technology and time-frequency synchronization;

c) railway telecommunications, railway telecommunications components and elements of the railway telecommunication components must be compatible with other subsystems of high-speed rail infrastructure and high-speed railway rolling stock;

g) railway telecommunications, railway telecommunications components and elements of the railway telecommunication components must maintain a healthy state for all anticipated in the design conditions and operations within their assigned service life.

86. To ensure the safety of the station buildings, structures and devices, components of the station buildings, structures and devices and components elements of station buildings, structures and facilities for the following requirements:

- a) the station buildings, structures and facilities must be adapted for safe operations of embarking, disembarking and passenger service. Exit to the passenger platforms of passenger buildings, as well as access to the passenger platforms on pedestrian bridges and tunnel crossings should not be constrained by other buildings, structures and devices, not functionally related to safety of people and have the equipment to move people with prams and citizens with limited mobility;
- b) passenger platform in order to protect people from the aerodynamic effects of moving high-speed rolling stock shall not be located directly along the main railway lines;
- c) pedestrian tunnels and underground stations should have emergency lighting and emergency exits;
- g) station with electrical interlocking arrows, tunnels and bridges shall be equipped with a warning system employees performing work on the railroad tracks, on the approximation of high-speed railway rolling stock;
- d) permanently placed facilities and their individual elements must ensure compliance with the established side obstacles in order to avoid direct contact of these structures and their elements with elements of high-speed railway rolling stock;
- e) railway station must have devices to prevent inadvertent release of high-speed rolling stock on the routes of trains - safety deadlocks, security arrows discharging shoes, discharging or discharging arrows wits, which must conform to incorporate them into a system of centralization and blocking, have control muzzle position and exclude spontaneous recovery of high-speed rolling stock to other ways and routes reception destination and departure of trains;
- g) Stretches with downhill and station restricting such Stretches should be catching deadlocks or other structures and devices for stopping lost control while driving on the high-speed descent of railway rolling stock;
- h) railway stations, depots, and other ancillary facilities must have official pedestrian crossings over the railroad tracks, equipped decks, pointers and warning labels, as well as electric lighting. Exits from the premises near railway tracks should be guarded (barriers);

- and) the objects and space at railway stations shall be illuminated in accordance with established standards to ensure safe movement of high-speed rail rolling stock, shunting movements, the safety of passengers when boarding and disembarking in cars of the cars, the safety of workers, protection of mail, baggage and cargo. Outdoor lighting should not affect the distinct appearance of the signal lights;
- k) intake of the air compressor systems, and exhaust system of engines and other equipment must be equipped with aerodynamic noise mufflers and gas flows, as well as other protective devices;
- l) overhead power lines should not cross the railroad tracks in the throats of railway stations;
- m) and adjoining new railway lines connecting to the main rail lines are not allowed.

Article 5.

Ensuring compliance with safety requirements

1. Ensuring the safety of products of acceptable values (hereinafter - the valid values) stipulated standards applied on a voluntary basis, a sufficient condition for compliance with the requirements of these technical regulations vehicle.
2. Lists interrelated with this technical regulation CU standards approved by the Commission (hereinafter - the CCC).
3. When making changes in the standards relating to safety requirements, party proposed changes should be used to calculate risk with proof security changes.

Article 6.

Conformity Assessment

1. Conformity assessment infrastructure high-speed rail is made in accordance with the technical regulations CU "On safety of buildings and structures" allowing for the high-speed rail, referred to in paragraphs 74 - 82 of this article.
2. Conformity assessment of products produced in the form of mandatory conformity.
3. State examination of project documentation is produced in accordance with the laws of - members of the CU.

When accepting the completed infrastructure high-speed rail line set their approved project documentation to the extent modified it in the prescribed

manner changes this technical regulation CU interstate documents on standardization.

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4. During acceptance into operation of high-speed rail transport infrastructure should take into account the results of building control (acceptance commission) in respect of technological operations carried out during the construction of high-speed rail infrastructure.

Building control is performed in accordance with the laws of - members of the CU.

5. List infrastructure of high-speed rail, subject to acceptance in operation, is given in Appendix number 2.

Procedure for acceptance and commissioning operation of high-speed rail infrastructure is given in paragraphs 74 - 82 of this article.

6. Mandatory conformity assessment of products is carried out in the forms of:

a) certification;

b) the adoption of a declaration of conformity (hereinafter - the declaration of conformity).

7. Works assessment (confirmation) of conformity with the technical regulations in these vehicle requirements under the customs union is accredited certification bodies (assessment (confirmation)) included in the Unified Register of certification bodies and testing laboratories (centers) of the Customs Union (further - certification bodies).

8. Necessary test and measurement products in case of certification held by the testing laboratories (centers), included in the Unified Register of certification bodies and testing laboratories (centers) of the Customs Union (hereinafter - accredited test laboratories (centers)).

Accredited testing laboratory (center) conducts research (tests) and measurements of products within the scope of accreditation under a contract concluded with the certification body. Accredited test laboratories (centers) issue results of researches (tests) and measurements of the relevant test reports and transmit them to the certification body. In accordance with the procedure for certification set out in paragraphs 24 - 73 of this Article, the certification body decides to grant or refuse to issue a certificate of conformity.

Used in tests measuring instruments must comply with the laws of the State - a member of the CU on ensuring the uniformity of measurements.

9. If applied in the evaluation of conformity of the provisions of standards conformity assessment requirements hereof vehicle may be subject to these standards. Non-application of standards cannot be assessed as non-compliance with these technical regulations vehicle. In this case allowed to use other documents to assess product compliance with these technical regulations vehicle in accordance with paragraph 21 of this article.

10. The list of products subject to certification is given in appendix number 3.

List of products subject to declaration of conformity based on their own evidence and evidence obtained with the participation of the certification body and (or) accredited testing laboratory (center), is shown in Annex 4 number.

List of products subject to declaration of conformity based on their own evidence, contained in annex number 5.

The certification procedure given in paragraphs 24 - 73 of this article.

11. The list of product certification schemes is given in Appendix 6 number.

When mandatory confirmation of components of high-speed rolling stock, the provisions of this technical regulation CU number in accordance with Annex 7.

12. To check compliance with the mandatory requirements set out in this technical regulations vehicle, the manufacturer spends on proven methodologies acceptance, acceptance testing, periodic testing and model.

13. Certification is carried out by a certification body on the basis of a contract concluded with the applicant.

When certifying the applicant may be registered in accordance with the laws of - members of the CU on its territory entity (person as an individual entrepreneur), which the manufacturer or seller or performing the functions of the foreign manufacturer on the basis of a contract concluded with him to ensure compliance of the products supplied requirements hereof vehicle parts and responsibility for non-delivered products requirements hereof vehicle.

14. Types and scope of tests defined in the standards, containing the rules and methods of researches (tests) and measurements, including the rules of sampling necessary for the implementation and execution of the technical regulations of the Customs Union and conformity assessment, a list of which is approved by the CCC.

Dates works on conformity assessment determined by agreement between the certification body and the applicant.

Term of issue of the certificate of compliance shall not exceed 15 working days from the date of receipt of the certification body, the test and, if necessary, to eliminate the revealed documents for mandatory certification inconsistencies.

The certificate of conformity is not more than 5 years.

15. When declaring compliance by the applicant may be registered in accordance with the laws of the Member States on their territory CU entity (person as an individual entrepreneur), which the manufacturer or seller or performing the functions of the foreign manufacturer on the basis of a

contract with him in terms of ensuring conformity of products supplied requirements hereof vehicle parts and responsibility for non-delivered products requirements hereof vehicle.

16. Declaration of Conformity includes the following activities:

- a) forming an applicant receiving a declaration of conformity, the set of documents confirming the compliance of the products;
- b) testing of production samples to an accredited testing laboratory (center), if it is stipulated by the scheme declaration;
- c) the applicant applies to the certification body control systems (management) and conducting quality management system certification (management) quality, if stipulated by the scheme declaration;
- d) adoption of a declaration of conformity by the applicant;
- d) feeding the certification body application for registration of the declaration of conformity with the accompanying documents;
- e) validation by certification body completeness of documents, as well as the correctness of filling declaration of conformity;
- g) the registration of the declaration of conformity;
- h) information on the results of the declaration of conformity;
- i) supervisory control certification body control systems (management) of the certified quality management system (management) quality, if stipulated by the scheme declaration;
- a) control of products, conformity is confirmed by the declaration of conformity.

17. When declaring the conformity based on the applicant's own evidence, accepting the declaration of conformity set independently forms the evidentiary materials, comprising:

- a) the constituent documents;
- b) design and technological documentation;
- c) the safety case;
- g) the act of selection of samples of products;
- d) test reports product obtained in our own laboratory of the applicant;
- e) organization standard or technical conditions under which products are produced;

- g) the documents confirming the safety of the components that affect the safety of products in general;
- h) quality management system certificate in respect of which provides control of the certified product certification body which issued the certificate;
- i) other documents (results of calculations using the proven methods of operation analogues) used by the applicant to demonstrate compliance products.

18. When declaring the conformity of products based on their own evidence and evidence obtained with the participation of the certification body and (or) accredited testing laboratory (center), the applicant in addition to its own evidence, formed in accordance with paragraph 17 of this article includes the evidentiary materials protocols (tests) and measurements carried out in an accredited testing laboratory (center).

When declaring the conformity product identification conducts accredited testing laboratory (center). Sampling of products for testing shall be in accordance with the requirements set standards containing rules and methods (tests) and measurements, including the rules of sampling required for the application and enforcement of the technical regulations of the Customs Union and conformity assessment, a list of which is approved by CCC. Product samples are selected for testing of the design, composition and manufacturing technology must be identical products supplied to the consumer (customer).

List of schemes declaration of conformity is given in Appendix number 8.

19. Validity of the declaration of conformity is not more than 5 years.

20. Copies certified manufacturer of declarations of conformity and (or) the certificate of conformity shall be attached to the documentation accompanying the product.

21. If the applicant upon confirmation of conformity does not apply or applies partially interstate standardization documents, together with the application that it represents:

- a) proof of product compliance with these technical regulations;
- b) information on the studies (trials) in accredited testing laboratories (centers);
- c) Certificate of quality management system.

22. Innovative products for certification the applicant submits an application to the certification body and is the technical documentation, including safety case technical solutions proposed innovative products. The certification body shall review the submitted materials and the presence of

deviations from the permissible values of safety requirements directs authorities in Member States CU, performs the functions of state policy and legal regulation in the sphere of railway transport, the proposal to their adjustment.

State authorities - CU members performing the functions of public policy and legal regulation in the sphere of railway transport on the basis of studies indicated values in the established states - members of the CU order develop and approve standards establish requirements for an experimental batch of innovative products and services to ensure the safety including methods of control and the amount of testing required to prove the safety of innovative products.

Based on the positive results of innovative products and services in accordance with approved standards certification body decides to issue a certificate of conformity for the applicant party of innovative products. The certificate of conformity shall include the quantity of samples of innovative products and validity of the certificate of conformity. The certificate of compliance for samples of innovative products must be not more than 2 years.

23. The applicant is entitled under the laws of the Member States apply to the vehicle by the accreditation body with complaints of misconduct of certification bodies and accredited test laboratories (centers).

24. Procedure for certification includes:

- a) Submission of the applicant in the certification application for certification of products;
- b) assessment of the application for certification by the certification body, the decision in respect of the said application and the direction to the applicant;
- c) testing the product by an accredited testing laboratory (center) under the contract concluded with the certification body;
- d) inspection of the production and certification of quality management or production, if it is provided by the certification scheme;
- d) examination of the test results, check the status of the examination of production or quality management system certification or production (if conducted) and review other evidentiary materials, as well as a decision to issue a certificate of conformity or justification of refusal to issue a certificate of conformity;
- e) registration, registration and issue a certificate of conformity or the direction applicant refusal to issue a certificate of conformity;

g) implementation in accordance with the certification schemes surveillance, and the use of the certificate of conformity and a single mark of products on the market states - members of the CU.

25. The application for certification is made by the applicant in Russian and, if necessary, in the state (s) language (s) States - members of the CU and shall contain:

- a) The name, location and details of the applicant;
- b) The name, location and details of the manufacturer, if the applicant is not the manufacturer of the product;
- c) information about products and identifying its characteristics (name, code, in accordance with a single commodity nomenclature of foreign economic activity vehicle (hereinafter - HS CU), technical description of the product, the instructions for its use (operation) and other technical documentation in accordance with paragraphs 26 and 28 of this article describes the products as well as the declared quantity (mass production, batch or unit of production);
- g) a reference to the provisions of these technical regulation CU requirements which meet the production;
- d) certification scheme;
- e) The obligations of the applicant on the implementation of the rules and conditions of certification;
- g) for more information at the discretion of the applicant;
- h) list of documents accompanying the application.

26. For newly developed products together with the application for certification by the applicant submitted to the certification body the following documentation:

- a) specification for the creation of a sample product (if available);
- b) the product specification;
- c) the program of preliminary tests;
- d) pre-test protocol;
- d) set accounted operational documentation;
- e) A statement of readiness to conduct a sample product acceptance testing;

- f) the schedule of acceptance tests;
- h) acceptance testing program;
- and) acceptance test;
- a) an act of acceptance commission;
- l) A plan for addressing the identified deficiencies acceptance committee (if any) and the documents confirming its implementation;
- m) a notification of completion inspection and approval in the prescribed manner the control set of design documentation for mass production;
- n) The proposed method and point of application of a single sign of products on the market states - members of the CU.

27. When deciding on a combination of acceptance and certification tests of the documents specified in paragraphs "b", "d", "and" - "l" paragraph 26 of this Article shall be submitted after acceptance testing and implementation of an action plan to address identified deficiencies.

28. For serial production with the application for certification by the applicant submitted to the certification body the following documentation:

- a) the product specification;
- b) design and technological documentation (to the extent agreed with the certification body);
- c) Acceptance Protocol (qualification) tests;
- g) A statement of the Qualification Commission, and in the case of initial certification - an act of acceptance commission;
- d) A plan for addressing the identified deficiencies acceptance committee (if any) and the documents confirming its implementation;
- e) reports on periodic and standardized tests;
- g) profile for the assessment of production;
- h) the volume of production;
- i) information on claims;
- a) The proposed method and point of application of a single sign of products on the market states - members of the CU.

29. The documents referred to in paragraphs 26 and 28 of this Article shall be documented with details of the applicant and certified by the identification number and signature of the applicant.

Copies of documentary evidence and certified stitched signature and seal of the applicant. If there is no firmware certified each page of the document. All evidentiary documents should be stored in appropriate cases in the certification body in accordance with the laws of - members of the CU.

30. Certification of products accounted for the results of acceptance and other tests, provided that they are conducted in accredited testing laboratories (centers) on the agreed with the certification program. In this case, the applicant must submit an application for certification prior to the test and submit the certification testing dates. About the beginning and during the test testing laboratory (center) shall inform the certification body. These tests may be included in the certification only if they result in product design and technology of its manufacture were not substantial changes requiring re-testing.

31. The certification body shall consider the application for certification and in a period not exceeding one month after receipt, notify the applicant of its decision.

32. The positive decision in respect of an application for certification must include the basic conditions of certification, including information:

- a) certification scheme;
- b) on the date of certification;
- c) of the regulations under which the certification is the product;
- d) an organization that will check the status of production, if it is provided by the certification scheme;
- d) Procedures for sampling products;
- e) on the procedure for testing of product samples;
- g) on the order of evaluation of the stability conditions of production;
- h) criteria for the evaluation of conformity of production;
- i) on the conditions of inspection control.

33. The grounds for taking the certification body decision on rejection of certification are:

- a) failure to submit or view does not fully documents referred to in paragraphs 25, 26 and 28 of this article;
- b) the unreliability of the information contained in the documents submitted.

34. When carrying out certification product identification and sampling of products carries the certification body. Sampling of products for testing shall be in accordance with the requirements set standards containing rules and methods (tests) and measurements, including the rules of sampling required for the application and enforcement of the technical regulations of the Customs Union and assessment (confirmation) of conformity of products list is approved by CCC.

Product samples are selected for testing shall be of the design, composition and manufacturing identical products for delivery to the customer (customer).

35. Sampling Act shall contain:

- a) the number and date of the act of sampling;
- b) the name and address of the organization, where sampling was carried out;
- c) the name of the product;
- g) unit measurement values;
- e) the amount (volume) of the party from which the selection;
- e) the result of external examination Party (appearance, state of the packaging and labeling, certification assessment results indicators determined by visual inspection);
- g) the date of production of the party;
- h) designation and name of the normative document according to which the sampled;
- i) the number and numbers of samples;
- a) a place of sampling;
- l) documents the manufacturer of final acceptance of products;
- m) details and signatures of the representatives of the certification body and the applicant.

36. To act sampling of products, which includes components that require conformity, is a list of certificates of conformity (conformity declaration) of individual components and the list of drawings on which they are made.

Selected samples of products labeled and sent for testing with a cover letter and the act of transmission. If necessary, sealing may be performed, as well as marking of individual components included in the selected product.

37. During the identification of the main characteristics of the samples compared to products specified in the application for certification, the actual characteristics given in the marking and documentation include:

- a) The name, type, model, and modification;
- b) the manufacturer's name or details on the origin of products;
- c) document which is manufactured products;
- g) indicators destination and other major indicators;
- d) belonging to the respective party;
- e) belonging to the respective manufacturing process.

38. Product conformity requirements hereof CU is set based on the results of the required types and categories of tests carried out in accredited testing laboratories (centers).

With mandatory conformity assessment limited production batch, except for units of high-speed rail rolling stock, as well as wheel sets and their parts, automatic couplers, bogie frames, protection devices for high voltage circuits, the certification body shall have the right, along with other documents confirming the compliance of products with the requirements of this Technical Regulations CU take cognizance of product testing protocols conducted in third countries, provided that the tests were conducted with the requirements of this Technical Regulation and vehicle standards. If necessary, additional tests are conducted.

39. The test results prescription over 5 years for the purposes of certification of product samples are not considered.

40. Not subject to certification developed products specified in Annex number 3, the design documentation which is assigned letter "O".

For the rest of the products specified in Annex number 3, a certificate of conformity with technical regulations vehicle is mandatory.

41. In the absence of an accredited testing laboratory (center) allowed testing for certification test laboratories (centers) accredited only for technical competence. Such tests are carried out under the control of the certification body. Objectivity of these tests along with test laboratory (center), only accredited for technical competence, provides certification body, charged that the testing laboratory (center) of their conduct.

42. The report shall include:

- a) the name and designation of the document, with the designation of the document is repeated on each page;
- b) the name and address of the accredited testing laboratory (center), information about its accreditation (number, date of issue and expiry of accreditation certificate);
- c) information about the certification body, charged with carrying out the test;
- d) the name and address of the applicant;
- d) the identification (description, labeling), the results of identification, manufacturer and date of manufacture of the product;
- e) the date of receipt of products for testing;
- g) verifiable indicators and their requirements, as well as information on regulations containing these requirements;
- h) date of test;
- i) information on the tests used in standard and non-standard methods and test procedures;
- k) information on storage products to the test, environmental conditions, as well as the preparation of products for testing;
- l) details of your own and leased test equipment and measuring instruments;
- m) information on the tests carried out another accredited testing laboratory (center);
- n) the results of the test, if necessary supported by tables, graphs, photographs and other materials;
- a) a statement that the test report relates only to the samples tested;
- n) the evidentiary materials on the results, including raw data recorded in the form of tables and (or) schedule;
- p) the procedure for the processing of raw data showing all processing criteria and received intermediate data;
- c) the signature of the accredited testing laboratory (center), stamped by the organization;
- t) signature and title of responsible persons who conducted the test;
- y) signature and title of the person (s) responsible for the preparation of the test report on behalf of the accredited testing laboratory (center) (if necessary);

- f) the signature of the certification body - in the case of combining acceptance and certification tests, and when tested in accordance with paragraph 41 of this article;
- x) the date of issue of the test report (report);
- c) information that the changes in the test report (report) is made in a separate document (appendix to the report, the new protocol supersedes and replaces the previous one);
- h) a statement that excludes the possibility of partial reprint of the test report.

43. To test protocol must be accompanied by a certified copy of the act of sampling and a copy of the readiness of the product for testing.

The test report shall not contain recommendations or suggestions arising from the results of tests.

44. The original test reports, drawn up in accordance with the requirements of paragraph 42 of this Article shall submit to the certification body in 2 copies (first sent in the case of certification, the second - the applicant). Copies of test reports shall be kept by accredited testing laboratory (center) is not less than the term of the certificate of conformity, unless otherwise prescribed by the relevant regulations and documents accredited testing laboratory (center).

45. Checking the production is carried out in order to establish the necessary conditions for the manufacture of products with stable characteristics, with verifiable certification.

46. Checking the status of the production must be carried out not earlier than 6 months before the date of issuance of the certificate of conformity, if this test is listed in the certification scheme.

47. Checking the production is carried out in respect of:

- a) processes;
- b) the technical documentation;
- c) the means of technological equipment;
- d) technological regimes;
- d) management of technological equipment;
- e) control metrology equipment;

- g) Testing and measurement techniques;
- h) arrangements for control of raw materials and components;
- i) the order of the control product during its production;
- k) Control of nonconforming product;
- l) order with reclamations.

48. The audit state production is drawn on the results of checking the status of production of certified products, which shall include:

- a) Test Results;
- b) Additional material used in checking the status of production;
- c) the overall assessment of production;
- g) the need for and timing of corrective actions.

49. Act on the results of checking the status of production of certified products is stored in the certification body, and a copy sent to the applicant.

50. The certification body after analyzing the test report (the report) and the results of checking the status of production (if it is established by the certification scheme and the contract) is preparing to issue a decision (refusal to grant) the certificate of conformity.

51. The grounds for taking the certification body decision to refuse to issue a certificate of compliance are:

- a) non-conformance to the requirements hereof CU;
- b) a negative test result status of production (if it is established by the certification scheme);
- c) the presence of false information in the documents.

52. Based on the decision to issue a certificate of conformity certification body draws up a certificate of conformity, registers it in the Unified Register of issued certificates of conformity and registered declarations of conformity issued by a single form in the prescribed manner and shall issue to the applicant. The certificate is valid only if there is a registration number.

53. Certificates of conformity shall enter into force on the date of registration in the Unified Register of issued certificates of conformity and registered declarations of conformity issued by a single form.

Certificate of compliance may have an application that contains a list of specific types and kinds of products to which it applies.

54. Certificate of conformity for products composed of components subject to mandatory conformity may be issued only if there are compliance certificates or declarations of conformity to these components. Attached to the certificate of conformity is a record of that product labeling single mark of products on the market states - members of the CU is only in the presence of conformity certificates or declarations of conformity to be mandatory conformity assessment components.

55. Prototypes of products that do not have a certificate of conformity or a declaration on the individual components, allowed to produce in controlled operation to obtain a certificate of conformity or a declaration on the individual components.

56. Changes to the structure (composition) of the products or the technology of its production, which may affect the conformity of production requirements hereof, the applicant shall notify in advance the certification body, which decides on the need for further tests or check the status of production of the product .

57. Operational documentation (manual, form, passport, label, and label) attached to the certified product, and shipping documentation must include the handling on the market record held certification, and registration number of the certificate of compliance form, its registration number, date of issue and expiry.

58. The certificate of conformity at the request of the holder of the certificate of conformity may be extended for a period not exceeding one year for the completion of the re-certification in the absence of changes in the design and manufacture of products, complaints and claims from customers, as well as the positive results of the last surveillance.

59. Conformity certificate holder is authorized to issue certified copies of their certificate of conformity for use in the customs territory of the states - members of the CU.

60. Inspection control, if it is provided by the certification scheme, provides certification body conducted its certification. Inspection control is carried out in the form of periodic and unscheduled inspections which provide information about certified products in the form of test results and check the status of production, on compliance with the terms and conditions of the certificate of conformity and a single mark of products on the market states - members of the CU in order to confirm that production for the duration of the certificate of compliance continues to comply with the requirements hereof vehicle.

61. The criteria for determining the frequency and scope of surveillance are:

- a) the extent of the potential hazard of products;
- b) the results of the certification of products;
- c) the stability of production;
- g) the volume of production;
- d) the availability of certified quality management system of production;
- e) the cost of inspection control.

62. The volume, frequency, content and procedure of inspection control established in the decision of the certification body to issue a certificate of conformity.

63. Unscheduled inspection control is carried out in the presence of information (supporting documents) the claims of product safety. This information can be obtained from consumers, as well as the bodies exercising state control (supervision) over the safety of the products to which the certificate of conformity issued. Scope of work at unscheduled inspection control is determined by the need to check the processes associated with the detected shortcomings in security products, and conducted by the manufacturer at no cost.

64. Inspection control includes:

- a) Analysis of materials certification of products;
- b) obtain and analyze information about certified products;
- c) verification of compliance documents for certified products requirements hereof CU;
- g) the selection and identification of samples, testing samples and analysis of the results;
- d) verification of the absence of inclusion in the design and manufacture of products recorded during the certification changes affecting the safety performance of products;
- e) inspection of the production, if it is provided by the certification scheme;
- g) verification of corrective actions to address previously identified gaps;
- h) checking the labeling and documentation mark of products on the market;
- i) analysis of claims for certified products.

65. The content, scope and application of the tests during surveillance identify the certification authority for the inspection.

66. The results of the inspection control style act of inspection control.

The act of conducting surveillance on the basis of work carried out in accordance with paragraph 62 of this article, it is concluded that the product under the requirements hereof CU stability of their performance and capabilities save the issued certificate of conformity or suspension (abolishing) the certificate of conformity .

67. According to the results of the inspection control can be taken one of the following solutions:

a) a certificate of compliance continues to operate if the products meet the requirements hereof CU;

b) the certificate of conformity is suspended if corrective actions by the applicant may remedy any identified causes inconsistencies production requirements hereof CU;

c) the certificate of conformity terminated if corrective actions by the applicant cannot eliminate the causes of discrepancies discovered product requirements hereof vehicle.

68. Termination of the certificate of conformity shall enter into force on the date of the relevant entry in the Unified Register of certificates of conformity issued and registered declarations of conformity issued by a single form.

69. The decision to suspend the certificate of conformity in the case of inability to conduct surveillance in certain periods due to the fault of the holder of the certificate of conformity certification body takes in the following cases:

a) No holder of a certificate of conformity to conclude a contract with the certification body to conduct surveillance;

b) the holder of the certificate of compliance failure to pay under a contract with the certification body to conduct surveillance;

c) the failure of the holder of the certificate of conformity to create conditions (provide facilities necessary information in accordance with paragraph 64 of this article) for the staff of the certification body during the surveillance.

70. If the holder of the certificate of conformity does not produce certified products for a period exceeding six months, putting into circulation of products can be made only after an unscheduled inspection of the control.

71. In the case of suspension of the certificate of conformity:

a) the certification body:

inform the authorities of - CU members performing the functions of control and supervision in the field of railway transport and interested organizations;

set a deadline for corrective measures and monitors their implementation holder certificate of conformity;

b) the holder of the certificate of conformity:

determines the number and location of products sent to customers with a deviation from the established requirements;

inform consumers and other interested organizations to suspend the use of products and reports in order to correct the identified deficiencies;

eliminates the shortcomings on the spot or return the product to ensure completion by the manufacturer.

72. Information about suspension or termination of the certificate of conformity, as well as the renewal of the certificate of conformity shall be communicated by the certification body to the authorities of the Member States CU performing the functions of control and supervision in the field of railway transport and interested organizations.

73. Products, the certificate of conformity which has been discontinued, can be re-stated for certification by the applicant after the necessary corrective actions. During re-certification certification authority may take into account the positive results of the previous certification.

74. Infrastructure high-speed rail, the construction of which is completed, should be subjected to the procedure of acceptance into service.

75. Commissioning of a fully implemented or stage of construction in accordance with the design documentation and subject brought into it in the prescribed manner changes.

76. Commissioning of acceptance provided by a commission appointed by the customer.

Commissioning of railways and infrastructure high-speed rail, the construction of which was carried out using the budgets of states - members of the CU, performed acceptance commission appointed by authority of the State - a member of the CU.

77. To check the availability of infrastructure of high-speed rail, the construction of which is completed, to the presentation of its acceptance commission, the customer shall appoint a working committee (working committee) after receipt of the official notification of the completion of the construction contractor.

78. The decision of the working committee of readiness for acceptance in the operation shall be made:

- a) the results of checking compliance infrastructure of high-speed rail transport requirements hereof and approved project documentation to the extent modified it to change the established order;
- b) an analysis of executive documentation developed by the contractor;
- c) on the basis of the measurement results, including by automated puteizmeritelnyh and diagnostic systems, test facilities, devices and mechanisms, as well as comprehensive testing equipment.

79. The audit working committee makes a report on infrastructure preparedness high-speed rail to the acceptance Acceptance Committee. In case of deviations from the design documentation must be corrected prior to acceptance of the infrastructure of high-speed rail transport acceptance committee.

80. Acceptance Commission obliged to verify the elimination of inconsistencies identified working committees and infrastructure preparedness high-speed rail to the acceptance into service. Said inspection shall be conducted by the program drawn up and approved by the customer acceptance committee. Acceptance infrastructure of high-speed rail, the construction of which is completed, the Commission made an act of acceptance, based on conclusions of the working committee, as well as documents submitted by the contractor.

Act of acceptance into operation of high-speed rail infrastructure must be signed by all members of the acceptance committee, each of which is responsible for the decision of the Commission within its competence. In case of failure of individual members of the acceptance committee of the signature in the act, they must submit the commission chairman to sign the relevant bodies, representatives of which are, outlining comments on issues within their competence.

These comments should be removed with authorities issuing a conclusion.

Infrastructure of high-speed rail, on which these remarks are not removed within a reasonable acceptance committee for the period, should be recognized acceptance committee unprepared for commissioning.

81. Prohibited commissioning of rail infrastructure without completing the project design work on the environmental restoration of the natural environment, land reclamation and landscaping in accordance with the laws of - members of the CU.

82. To obtain permission to enter the infrastructure of high-speed railways in operation the customer accesses a corresponding statement in the body of the state - CU member who is competent in accordance with national legislation includes the issuance of permits for infrastructure of railways in operation. The application shall be accompanied by the documents provided by the legislation of States - members of the CU.

If a positive result of checking the documents submitted to the customer is given permission to enter the high-speed rail infrastructure in the transport operation.

Article 7.

Marking a single sign of products on the market states - members of the CU

1. Products complying with safety requirements and have undergone conformity assessment pursuant to Article 6 of this technical regulation vehicle shall be marked with a mark of a single product on the market states - members of the CU.

2. Marking a single sign of products on the market states - members of the CU implemented before its release into circulation on the market.

3. Single sign of products on the market states - members of the CU is applied to each unit of production.

Single sign of products on the market states - members of the CU is applied to the product itself, as well as provided in the annexed operational documents.

Single sign of products on the market states - members of the CU is applied by any method that provides crisp and clear throughout the life of the product.

4. Allowed to apply a single mark of products on the market states - members of the CU only on the packaging and instruction in the annexed operational documents, if it cannot be applied directly to the product due to the peculiarities of its design.

5. Product labeling a single sign of products on the market states - members of the CU indicates that it complies with all technical regulations vehicle applicable to products and providing for the application of a single mark of products on the market states - members of the CU.

Article 8.
Safeguard clause

1. States - CU members are obliged to take all measures to limit, ban products into circulation in the customs territory of the CU, and withdrawal from the market of products posing a danger to human life and health, property.

2. Competent Authority of the State - a member of the Customs Union shall notify the Commission and the competent authorities of other countries - members of the Customs Union of the decision stating the reasons of this decision and the provision of evidence, explaining the need for the measure.

3. Basis for the application of Article protection may include the following cases:

failure to comply with Article 4 of this technical regulation CU;

incorrect application of the present inter-vehicle technical regulations standards referred to in Article 5 of this technical regulation CU if these standards have been applied;

failure to comply with the rules set out in Article 6 of this technical regulation CU;

implementation of mandatory conformity assessment bodies not included in the Unified Register of certification bodies and testing laboratories (centers) vehicle or fails to meet the criteria;

Other reasons for the ban of output in market circulation.

4. If the competent authorities of other Member States CU protest against referred to in paragraph 1 of this Article the decision, the CCC shall immediately consult with the competent authorities of all states - members of the CU for making a mutually acceptable solution.

Application number 1
to CU technical regulations
"On the safety of high-speed
rail transport"

List
Composite parts high-speed rail rolling stock
components subsystems and elements components subsystems
high-speed rail infrastructure
I. Components of the infrastructure subsystems
high-speed rail

1.	Permanent way
2.	Drainage, protivodeformatsionnye, protective and fortifications
3.	Railroad
4.	Rail stations
5.	Earth bed
6.	Contact Network
7.	Railway bridges
8.	Guard rail track
9.	Passenger platforms

10.	Pedestrian bridges over the railroad tracks
11.	Pedestrian tunnel under the railway
12.	System, arrangement and equipment of signaling, centralization and blocking on stages and stations
13.	System, development of telecommunication equipment and train
14.	System, arrangement and equipment of power supply on stages and stations
15.	Railway Tunnels
16.	Transformer substations
17.	Pipe culverts
18.	Traction substation (post partition)
19.	Portion of railway track
20.	Noise protection facilities and equipment

**II. Elements of infrastructure components subsystems
high-speed rail**

		HS CODE
1.	Automated measuring and control systems and test benches used in rail transport	85
2.	Workstations employees of units of railway transport, the safety-related traffic and information security	85
3.	Automated system of operational control of technological processes, including ensuring safety and information security	85
4.	Telemechanics of power supply	85
5.	Bolts for rail joints	7302
		7318
6.	Bolts for railway track rail fastenings	7302
		7318
7.	Bolts terminal for rail fastening railway track	7302
		7318
8.	Reinforced concrete beams for turnouts for railways of 1520 mm	6810

9.	Valve arresters and surge arresters for railway power supply devices	8535
10.	Nuts rail joints	7318
11.	Nuts for rail fastening bolts embedded railway track	7318
12.	Nuts for terminal rail fastening bolts of railway track	7318
13.	Inductive sensor wire	85 90
14.	Decoders numeric code autoblock	85
15.	Diode grounding devices catenary electrified railways	85
16.	Reinforced concrete poles for support of a contact network of electrified railways	6810
17.	Insulators for catenary electrified railways	8546
18.	Spring terminals Semifinished for fixing rails	7302
19.	Spring terminals ZHBR-65 bench bonding	7302
20.	Separate terminal and rail fastening bench	7302

21.	Doubletree turnouts
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73

GLOBAL EXPERT GROUP

		7014 00 000 0
22.	Sets of filters, lenses and lens kits lens with lens traffic signal lamp holder for railway transport	8530
		9002
23.	Metal studs for support of a contact network of electrified railways	7308
24.	Pad for isolating joints of rails	73
25.	Pad for two-headed rail broad gauge railways	7302
26.	Wags turnouts different types and brands	73
27.	Plates of separate fastening of railway	7302
28.	Software situational control centers	85
29.	Software for automated systems operational train control	85
30.	Software tools for automated rail transport system for operational control of technological processes, including ensuring safety and information security	85
31.	Antitheft spring for rails	7302 90
32.	Contact wires of copper and its alloys for railway catenary	8544

33.	Laying rail fastening	7302
34.	Disconnections for traction substations of power supply systems of electrified railways	85
35.	Reactors for traction substations of power supply systems of electrified railways	85
36.	Disconnections railway catenary	85
37.	Electromagnetic relays uncontrolled first class reliability, relay units	8535
		8536
		8538
38.	Rails railway broad gauge	7302
39.	Railway rails Ostriakovo	7302
40.	Railway rails kontrelsovye	7302
41.	Apparatus	7302
42.	Crossbars hard crossbar devices suspension catenary electrified railways	73
		7014 00 000 0

43. Filters, lenses, filters, lenses, lenses and deflecting glass inserts for rail transport signaling devices

8530 90

GLOBAL EXPERT GROUP

		9002
		9405 91
44.	Static converters for power supply equipment electrified railways	8504 40
45.	Turnouts, rep-kits (polustrelki), deaf crossing railroad tracks	7302
		8608 00 100 0
46.	Turnout electromechanical actuators	8501
		8608 00
47.	Insulating joints of rails	7302
48.	Elastic spring elements travel (double-turn washers, disc springs, terminals)	7302
		7318 21 000 0
		7320
49.	Protection device stations splicing electrified railways	85
50.	Foundations of reinforced concrete poles contact network of electrified railways	68

51.

Concrete sleepers for railways of 1520 mm

6810

GLOBAL EXPERT GROUP

52.	Screws travel	7318
53.	Crushed stone for a ballast layer of railways, of natural stone	2517
54.	Fastening elements rail turnouts, headsets, external contactors	73

II. Components of the high-speed rolling stock

		HS CODE
55.	Automatic regulator brake rigging (avtoregulyator)	8607
56.	Automatic parking brake of railway rolling stock	8607
57.	Apparatus high protection and control of railway rolling stock from short circuit currents	8535
58.	Bandages for railway rolling stock	8607
59.	Brake shoes magnitorelsovogo	8607
60.	Shoes, brake pad of railway rolling stock	8607

61.	Shoes brake pads disc brakes of railway rolling stock	8607
62.	Lock brakes	8607

GLOBAL EXPERT GROUP

63.	Valve arresters and surge arresters for electric rolling stock	8535
64.	Diffusers	8607
65.	Auxiliary electrical machines for rail rolling stock (1 kW)	8501
66.	Speed automatic circuit and main switches for electric rolling stock	8535
67.	High inter-vehicle connection (plug and socket together)	8535
68.	High-glazing products safe high-speed rolling stock	7007
		7007 11 100
		7007 21
		7007 29
		7008 00
69.	Hydraulic dampers railway rolling stock	8607
70.	Brake discs for railway rolling stock	8607
71.	Rubber seal for brake pneumatic systems of rolling stock (aperture, cuffs, collars, valve seals, gaskets)	4016

72.

Traction wedge clamp coupler

73

GLOBAL EXPERT GROUP

73.	Compressors for railway rolling stock	8607
74.	Gear wheels cylindrical gear traction rolling stock	8607
75.	Wheels composite finishing high-speed rail rolling stock	8607
76.	Solid wheels for railway rolling stock	8607
77.	Wheel sets high-speed rail rolling stock	8607
78.	Composite brake pads for railway rolling stock	8607
79.	Brake components (cast-composite) for railway rolling stock	8607
80.	Cast iron brake pads for railway rolling stock	8607
81.	Contactors and electromagnetic high electro	8535
82.	Coupler body	8607
83.	Driver's seat for railway rolling stock	9401
84.	Armchairs for passenger rolling stock	9401
85.	Body high-speed rail rolling stock	86 07 91

86.

Disc brake mechanism tick

8607

GLOBAL EXPERT GROUP

87.	Disc brake pads	8607
88.	Axis of rolling stock finishing	8607
89.	Axles rough for railway rolling stock	8607
90.	Front and rear stops coupler	8607
91.	Switches and disconnections for high rolling stock	85
92.	The draft gear coupler	86
93.	Roller bearings for axle boxes of railway rolling stock	8482
94.	High-voltage fuses for railway rolling stock	85
95.	Static converters and traction not traction rolling stock	85
96.	Dynamoelectric converters for railway rolling stock	8501
97.	Drive magnitorelsovogo brakes	8607
98.	Protivoyuznoe unit of railway rolling stock	85
99.	Spring suspension of railway rolling stock	7320

100.	Disconnecting devices, short separators, earth high for railway rolling stock
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85

GLOBAL EXPERT GROUP

101.	Reactors and equipment for railway rolling stock	85
102.	Air tanks for traction rolling stock	73 7310
103.	Rubber-cord shell electric traction drive clutch	40 8443
104.	Resistors launchers, electric brake, damping	85
105.	Electromagnetic relays and electronic: intermediate, DC, including differential, voltage, time, overload relay non-electrical sensors monitoring parameters (temperature, pressure, level);	8535
106.	Connecting sleeves for brakes of railway rolling stock	4009
107.	Wiper blades for high speed rolling stock	84 79 89 970 9
108.	Couplers, including automatic coupler	8607
109.	Carts trailed railcar rolling stock	8607
110.	Typhon for locomotives and multiple units	83 06 10 000 0
111.	Driver brake valves	8607
112.	Traction motors for electric	8501

113.	Traction clamp coupler	73 86
114.	Automatic device controlling brake force depending on load (Auto)	85
115.	Device management, monitoring and security software for railway rolling stock	85
116.	Rolled disc wheel centers for railway rolling stock	8607
117.	Alloy wheel centers for railway rolling stock (casting, finishing)	8607
118.	Brake cylinders for railway rolling stock	8607
119.	Electrocalorifers for electric heating systems	8516
120.	Low-voltage electrical equipment for railway rolling stock: low voltage controllers; switches; relays electromagnetic (protection, intermediate, and differential time)	85
121.	Electrical equipment trains	85
122.	Electric heating systems for electric	85

Appendix number 2 to
Technical Regulations CU "On
the safety of high-speed
rail transport"

**List of
high-speed infrastructure Zheleznodorozhnaya
transport to be acceptance in operation**

1.	Permanent way
2.	Drainage, protivodeformatsionnye, protective and fortifications
3.	Railroad
4.	Rail stations
5.	Earth bed
6.	Contact Network
7.	Railway bridges
8.	Guard rail track
9.	Passenger platforms
10.	Pedestrian bridges over the railroad tracks
11.	Pedestrian tunnel under the railway
12.	System, arrangement and equipment of signaling, centralization and blocking on stages and stations

13.	System, development of telecommunication equipment and train
14.	System, arrangement and equipment of power supply on stages and stations
15.	Railway Tunnels
16.	Transformer substations
17.	Pipe culverts
18.	Traction substation (post partition)
19.	Portion of railway track
20.	Noise protection facilities and equipment

List of products subject to certification

Application number 3 to
Technical Regulations CU "On the
safety of high-speed
rail transport"

		HS CDE
1.	Telemechanics of power supply	85

GLOBAL EXPERT GROUP

2.	Apparatus high protection and control of railway rolling stock from short circuit currents	8535
3.	Bandages for railway rolling stock	8607
4.	Bolts terminal for rail fastening railway track	7302
		7318
5.	Reinforced concrete beams for turnouts for railways of 1520 mm	6810
6.	Valve arresters and surge arresters for railway power supply devices	8535
7.	Valve arresters and surge arresters for electric rolling stock	8535
8.	Diffusers	8607
9.	Speed automatic circuit and main switches for electric rolling stock	8535
10.	High-glazing products safe high-speed rolling stock	7007
		7007 11 100
		7007 21
		7007 29

7008 00

GLOBAL EXPERT GROUP

11.	Inductive sensor wire	85
		90
12.	Decoders numeric code auto block	85
13.	Brake discs for railway rolling stock	8607
14.	Reinforced concrete poles for support of a contact network of electrified railways	6810
15.	Insulators for catenary electrified railways	8546
16.	Spring terminals Semi finished for fixing rails	7302
17.	Spring terminals ZHBR - 65 inseparable bond	7302
18.	Separate terminal and rail fastening bench	7302
19.	Compressors for railway rolling stock	8607
20.	Gear wheels cylindrical gear traction rolling stock	8607
21.	Wheels composite finishing high-speed rail rolling stock	8607
22.	Solid wheels for railway rolling stock	8607

23.

Wheel sets high-speed rail rolling stock

8607

GLOBAL EXPERT GROUP

24.	Composite brake pads for railway rolling stock	8607
25.	Brake components (cast-composite) for railway rolling stock	8607
26.	Cast iron brake pads for railway rolling stock	8607
27.	Sets of filters, lenses and lens kits lens with lens traffic signal lamp holder for railway transport	7014 00 000 0
		8530
		9002
28.	Contactors and electromagnetic high electro	8535
29.	Coupler body	8607
30.	Doubletree turnouts	73
31.	Metal studs for support of a contact network of electrified railways	7308
32.	Disc brake mechanism tick	8607
33.	Disc brake pads	8607
34.	Pad for isolating joints of rails	73

35.

Pad for two-headed rail broad gauge railways

7302

GLOBAL EXPERT GROUP

36.	Axis of rolling stock finishing	8607
37.	Axles rough for railway rolling stock	8607
38.	Wags turnouts different types and brands	73
39.	The draft gear coupler	86
40.	Plates of separate fastening of railway	7302
41.	Roller bearings for axle boxes of railway rolling stock	8482
42.	Static converters and traction not traction rolling stock	85
43.	Contact wires of copper and its alloys for railway catenary	8544
44.	Spring suspension of railway rolling stock	7320
45.	Rubber-cord shell electric traction drive clutch	40
		8443
46.	Electromagnetic relays uncontrolled first class reliability, relay units	8535
		8536

8538

GLOBAL EXPERT GROUP

47.	Rails railway broad gauge	7302
48.	Railway rails Ostriakovo	7302
49.	Railway rails kontrrelsovye	7302
50.	Apparatus	7302
51.	Crossbars hard crossbar devices suspension catenary electrified railways	73
52.	Filters, lenses, filters, lenses, lenses and deflecting glass inserts for rail transport signaling devices	7014 00 000 0
		8530 90
		9002
		9405 91
53.	Turnouts, rep-kits (polustrelki), deaf crossing railroad tracks	7302
		8608 00 100 0
54.	Turnout electromechanical actuators	8501
		8608 00

55.

Couplers, including automatic coupler

8607

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56.	Carts trailed railcar rolling stock	8607
57.	Driver brake valves	8607
58.	Traction motors for electric	8501
59.	Traction clamp coupler	73
		86
60.	Elastic spring elements travel (double-turn washers, disc springs, terminals)	7302
		7318 21 000 0
		7320
61.	Protection device stations splicing electrified railways	85
62.	Foundations of reinforced concrete poles contact network of electrified railways	68
63.	Rolled disc wheel centers for railway rolling stock	8607
64.	Alloy wheel centers for railway rolling stock (casting, finishing)	8607
65.	Concrete sleepers for railways of 1520 mm	6810

66.

Electrocalorifers for electric heating systems

8516

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67.	Electric heating systems for electric	85
68.	Fastening elements rail turnouts, headsets, external contactors	73

Application number 4 to
 Technical Regulations CU "On the
 safety of high-speed
 rail transport"

**List of
 Products subject to Declaration of Conformity based on
 their own evidence and evidence obtained with authority
 and certification (or) accredited testing laboratory (center)**

		HS CODE
1.	Automated measuring and control systems and test benches used in rail transport	85
2.	Workstations employees of units of railway transport, the safety-related traffic and information security	85
3.	Automated system of operational control of technological processes, including ensuring safety and information security	85
4.	Automatic parking brake of railway rolling stock	8607
5.	Brake shoes magnitorelsovogo	8607

6.	Bolts for rail joints	7302 7318
7.	Bolts for railway track rail fastenings	7302 7318
8.	Auxiliary electrical machines for rail rolling stock (1 kW)	8501
9.	High inter-vehicle connection (plug and socket together)	8535
10.	Nuts rail joints	7318
11.	Nuts for rail fastening bolts embedded railway track	7318
12.	Nuts for terminal rail fastening bolts of railway track	7318
13.	Hydraulic dampers railway rolling stock	8607
14.	Diode grounding devices catenary electrified railways	85
15.	Rubber seal for brake pneumatic systems of rolling stock (aperture, cuffs, collars, valve seals, gaskets)	4016
16.	Traction wedge clamp coupler	73

17.

Driver's seat for railway rolling stock

9401

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18.	Armchairs for passenger rolling stock	9401
19.	Body high-speed rail rolling stock	86 07 91
20.	Switches and disconnections for high rolling stock	85
21.	High-voltage fuses for railway rolling stock	85
22.	Dynamolectric converters for railway rolling stock	8501
23.	Drive magnitorelsovogo brakes	8607
24.	Antitheft spring for rails	7302 90
25.	Laying rail fastening	7302
26.	Software situational control centers	85
27.	Software for automated systems operational train control	85
28.	Software tools for automated rail transport system for operational control of technological processes, including ensuring safety and information security	85
29.	Disconnecting devices, short separators, earth high for railway rolling stock	85
30.	Disconnections for traction substations of power supply systems of electrified railways	85

31.	Disconnections railway catenary	85
32.	Reactors for traction substations of power supply systems of electrified railways	85
33.	Reactors and equipment for railway rolling stock	85
34.	Air tanks for traction rolling stock	73 7310
35.	Resistors launchers, electric brake, damping	85
36.	Electromagnetic relays and electronic: intermediate, DC, including differential, voltage, time, overload relay non-electrical sensors monitoring parameters (temperature, pressure, level);	8535
37.	Connecting sleeves for brakes of railway rolling stock	4009
38.	Static converters for power supply equipment electrified railways	8504 40
39.	Insulating joints of rails	7302
40.	Typhon for locomotives and multiple units	83 06 10 000 0
41.	Device management, monitoring and security software for railway rolling stock	85
42.	Brake cylinders for railway rolling stock	8607
43.	Screws travel	7318

44.	Crushed stone for a ballast layer of railways, of natural stone	2517
45.	Low-voltage electrical equipment for railway rolling stock: low voltage controllers; switches; relays electromagnetic (protection, intermediate, and differential time)	85
46.	Electrical equipment trains	85

Application number 5 to
 Technical Regulations CU "On the
 safety of high-speed
 rail transport"

**List of
 Products subject to declaration of conformity based on
 their own evidence**

		HS CODE
1.	Automatic regulator brake rigging (avtoregulyator)	8607
2.	Shoes, brake pad of railway rolling stock	8607
3.	Shoes brake pads disc brakes of railway rolling stock	8607
4.	Lock brakes	8607
5.	Front and rear stops coupler	8607

6.	Protivoyuznoe unit of railway rolling stock	85
7.	Wiper blades for high speed rolling stock	84 79 89 970 9
8.	Automatic device controlling brake force depending on load (Auto)	85

Application number 6 to
 Technical Regulations CU "On the
 safety of high-speed
 rail transport"

**List of
 Product certification schemes**

Scheme	The content of the scheme	Artists	Sphere of application
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1c	research, test and measurement (hereinafter - test) sample of the product	accredited testing laboratory (center)	used in a limited, pre-specified volume of products to be supplied (implemented) for a short period of time in separate batches as their serial production (for products imported into the common customs territory of the Customs Union - with short-term contracts, for products manufactured on a single customs territory of the Customs Union - with limited release). The certificate of conformity is 1 year
	issue to the applicant a certificate of conformity for manufactured for a limited time a predetermined quantity of products, in the case of a positive test result	Certification Body	

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2c	testing standard sample products	accredited testing laboratory (center)	
	check the status of the production holding	Certification Body	used for serial production on the basis of checking the status of production and prototype test products in an accredited testing laboratory (center). Certificate of Compliance issued for 1 year
	issue to the applicant a certificate of conformity for all serial products in case of positive test results and check the status of production	Certification Body	
3c	testing standard sample products	accredited testing laboratory (center)	used for serial production. Certificate of Compliance is issued for a period not exceeding 3 years
	issue to the applicant a certificate of conformity for the serial products in the case of positive test results	certification bodies	

implementation of surveillance at intervals of not more than 1 time per year by sample tests	Certification Body	
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	by accredited testing laboratory (center)		
	suspension or termination of the certificate of conformity for a negative result of the inspection control	Certification Body	
4c	testing standard sample products	accredited testing laboratory (center)	used for serial production. Certificate of Compliance issued for a period not exceeding 5 years
	check the status of the production holding	Certification Body	
	issuance of a certificate of conformity to the applicant in case of positive test results and check the status of production	Certification Body	
	implementation of surveillance at intervals of not more than 1 time per year by sample tests	Certification Body	

by accredited testing laboratory (center)
suspension or termination of the certificate of
conformity for a negative result of the
inspection control

Certification
Body

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5c	testing standard sample products	accredited testing laboratory (center)	used for serial production in the following cases: the real product samples sample size is insufficient for an objective assessment of products during the test;
	certification of the quality management system or production	Certification Body	
	issuance of a certificate of conformity to the applicant in case of positive test results and quality management system certification or production	Certification Body	technological production processes sensitive to external factors; set high demands on the stability of the product characteristics, the frequent change of product modifications; tests could be conducted only after the installation of the product by the consumer. Certificate of Compliance issued for a period not exceeding 5 years
	implementation of surveillance at intervals of not more than 1 time per year by sample tests by accredited testing laboratory (center)	Certification Body	
	suspension or termination of the certificate of conformity for a negative result of the inspection control	Certification Body	

6c *	testing sample (s) of products selected from the submitted batch of product certification	accredited testing laboratory	used for the production batch. The certificate of conformity applies to the stated quantity of products.
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		(center)	
	issuance of a certificate of conformity to the applicant submitted for certification batch of products in case of a positive test result	Certification Body	
7c *	testing of each item	accredited testing laboratory (center)	recommended in the case of one-off production or sale of the relevant products (single product). The certificate of conformity applies to the stated number of products.
	issue to the applicant a certificate of conformity to the unit in case of a positive test result	Certification Body	

Application number 7 to
 Technical Regulations CU "On the
 safety of high-speed
 rail transport"

**List of
Certain Provisions of technical regulations CU "On
the safety of high-speed rail transport "
used in compliance with mandatory confirmation of components of high-speed
rolling stock**

	Constituent parts of the rolling stock	Designation section, paragraph and subparagraph vehicle technical regulations "On safety of high-speed rail"
1.	Automatic regulator brake rigging (avtoregulyator)	Article 4: 5c, 7, 11, 13, 1
2.	Automatic parking brake of railway rolling stock	Article 4: 5c, 7, 11, 13, 19, 47
3.	Apparatus high protection and control of railway rolling stock from short circuit currents	Article 4: 5c, 5d, 5o, 5p, 5F, 7, 11, 13, 18, 19
4.	Bandages for railway rolling stock	Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19, 53
5.	Brake shoes magnitorelsovogo	Article 4: 5c, 7, 11, 13, 19
6.	Shoes, brake pad of railway rolling stock	Article 4: 5c, 7, 11, 13, 19
7.	Shoes brake pads disc brakes of railway rolling stock	Article 4: 5c, 7, 11, 13, 19
8.	Lock brakes	Article 4: 5c, 7, 11, 13, 19

9.	Valve arresters and surge arresters for electric rolling stock	Article 4: 5c, 5d, 5o, 5p, 5F, 7, 11, 13, 18, 19
10.	Diffusers	Article 4: 5c, 7, 11, 13, 19
11.	Auxiliary electrical machines for rail rolling stock (1 kW)	Article 4: 5c, 5d, 5o, 5p, 5F, 5H, 7, 11, 13, 18, 19
12.	Speed automatic circuit and main switches for electric rolling stock	Article 4: 5c, 5d, 5o, 5p, 5F, 7, 11, 13, 19
13.	High inter-vehicle connection (plug and socket together)	Article 4: 5c, 5F, 7, 11, 13, 19
14.	High-glazing products safe high-speed rolling stock	Section 4: 4, 5c, 7, 11, 13, 16, 19, 42
15.	Hydraulic dampers railway rolling stock	Article 4: 4, 5c, 7, 11, 13, 19
16.	Brake discs for railway rolling stock	Article 4: 5c, 7, 11, 13, 19
17.	Rubber seal for brake pneumatic systems of rolling stock (aperture, cuffs, collars, valve seals, gaskets)	Article 4: 5c, 7, 11, 13, 19
18.	Traction wedge clamp coupler	Article 4: 4, 5c, 5h, 7, 11, 13, 19
19.	Compressors for railway rolling stock	Article 4: 5c, 7, 11, 13, 19
20.	Gear wheels cylindrical gear traction rolling stock	Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19
21.	Wheels composite finishing high-speed rail rolling stock	Section 4: 4, 5c, 5d, 5s, 5t, 5u, 7, 11, 13, 19, 53

22.	Solid wheels for railway rolling stock	Section 4: 4, 5c, 5d, 5s, 5t, 5u, 7, 11, 13, 19, 53
23.	Wheel sets high-speed rail rolling stock	Section 4: 4, 5c, 5d, 5s, 5t, 5u, 7, 11, 13, 15, 19, 53
24.	Composite brake pads for railway rolling stock	Article 4: 5c, 7, 11, 13, 19
25.	Brake components (cast-composite) for railway rolling stock	Article 4: 5c, 7, 11, 13, 19
26.	Cast iron brake pads for railway rolling stock	Article 4: 5c, 7, 11, 13, 19
27.	Contactors and electromagnetic high electro	Article 4: 5c, 5o, 5p, 5F, 7, 11, 13, 19
28.	Coupler body	Article 4: 4, 5c, 5h, 7, 11, 13, 19
29.	Driver's seat for railway rolling stock	Article 4: 5c, 5p, 7, 11, 13, 19, 60, 62
30.	Armchairs for passenger rolling stock	Article 4: 5c, 5p, 7, 11, 13, 19, 60, 62
31.	Body high-speed rail rolling stock	Section 4: 4, 5a, 5c, 5h, 5s, 5t, 5u, 7, 11, 13, 19
32.	Disc brake mechanism tick	Article 4: 5c, 7, 11, 13, 19
33.	Disc brake pads	Article 4: 5c, 7, 11, 13, 19
34.	Axis of rolling stock finishing	Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19, 53

35.

Axles rough for railway rolling stock

Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19, 53

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36.	Front and rear stops coupler	Article 4: 4, 5c, 5h, 7, 11, 13, 19
37.	Switches and disconnections for high rolling stock	Article 4: 5c, 5F, 7, 11, 13, 19
38.	The draft gear coupler	Article 4: 4, 5c, 5h, 7, 11, 13, 19
39.	Roller bearings for axle boxes of railway rolling stock	Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19
40.	High-voltage fuses for railway rolling stock	Article 4: 5c, 5F, 7, 11, 13, 19
41.	Static converters and traction not traction rolling stock	Article 4: 5c, 5d, 5o, 5p, 5F, 5H, 7, 11, 13, 18, 19
42.	Converters dynamoelectric for railway rolling stock	Article 4: 5c, 5d, 5o, 5p, 5F, 5H, 7, 11, 13, 18, 19
43.	Drive magnitorelsovogo brakes	Article 4: 5c, 5o, 5p, 5F, 7, 11, 13, 18, 19
44.	Protivoyuznoe unit of railway rolling stock	Article 4: 5c, 5o, 5p, 5F, 7, 11, 13, 18, 19
45.	Spring suspension of railway rolling stock	Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19
46.	Disconnecting devices, short separators, earth high for railway rolling stock	Article 4: 5c, 5F, 7, 11, 13, 19
47.	Reactors and equipment for railway rolling stock	Article 4: 5c, 5o, 5p, 5F, 5H, 7, 11, 13, 18, 19
48.	Air tanks for traction rolling stock	Article 4: 5c, 7, 11, 13, 19

49.

Rubber-cord shell electric traction drive clutch

Article 4: 4, 5c, 7, 11, 13, 19

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50.	Resistors launchers, electric brake, damping	Article 4: 5c, 5F, 7, 11, 13, 19
51.	Electromagnetic relays and electronic: intermediate, DC, including differential, voltage, time, overload relay non-electrical sensors monitoring parameters (temperature, pressure, level);	Article 4: 5c, 5d, 5o, 5p, 5F, 7, 11, 13, 19
52.	Connecting sleeves for brakes of railway rolling stock	Article 4: 5c, 7, 11, 13, 19
53.	Wiper blades for high speed rolling stock	Article 4: 4, 5c, 7, 11, 13, 19
54.	Couplers, including automatic coupler	Section 4: 4, 5c, 5h, 7, 11, 13, 19, 52
55.	Carts trailed railcar rolling stock	Section 4: 4, 5a, 5b, 5c, 5t, 5u, 7, 11, 13, 19
56.	Typhon for locomotives and multiple units	Article 4: 5c, 7, 11, 13, 19, 55
57.	Driver brake valves	Article 4: 5c, 7, 11, 13, 19
58.	Traction motors for electric	Article 4: 4, 5c, 5d, 5o, 5p, 5F, 5H, 7, 11, 13, 18, 19
59.	Traction clamp coupler	Article 4: 4, 5c, 5h, 7, 11, 13, 19
60.	Automatic device controlling brake force depending on load (Auto)	Article 4: 5c, 5d, 5h, 5o, 5p, 5F, 7, 11, 13, 18, 19, 45

61.	Device management, monitoring and security software for railway rolling stock	Article 4: 5c, 5d, 5h, 5o, 5p, 5F, 5H, 7, 9, 11, 13, 18, 19, 28, 29, 30, 32, 33
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62.	Rolled disc wheel centers for railway rolling stock	Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19, 53
63.	Alloy wheel centers for railway rolling stock (casting, finishing)	Section 4: 4, 5b, 5c, 5t, 5u, 7, 11, 13, 19, 53
64.	Brake cylinders for railway rolling stock	Article 4: 5c, 7, 11, 13, 19
65.	Electrocalorifers for electric heating systems	Article 4: 5c, 5o, 5p, 5p, 5F, 5H, 7, 11, 13, 18, 19
66.	Low-voltage electrical equipment for railway rolling stock: low voltage controllers; switches; relays electromagnetic (protection, intermediate, and differential time)	Article 4: 5c, 5d, 5o, 5p, 5F, 7, 11, 13, 19
67.	Electrical equipment trains	Article 4: 5c, 5d, 5o, 5p, 5F, 5H, 7, 11, 13, 18, 19, 64, 65
68.	Electric heating systems for electric	Article 4: 5c, 5d, 5o, 5p, 5F, 5H, 7, 11, 13, 18, 19, 64, 65

Application number 8
to Technical Regulations vehicle
safety high on
Railway Transport”

**List of
Schemes declaration of conformity**

Scheme	The content of the scheme	Artists	Sphere of application
1e	acceptance of the declaration of conformity based on their own evidence	applicant	used for serial production on the basis of their own evidence in accordance with the list of products, conformity which is in the form of the declaration of conformity is used for serial production on the basis of their own evidence and evidence obtained with the participation of the certification body and (or) accredited testing laboratory (center) in accordance with the list of products, conformity which is in the form of the declaration of conformity
2d	research, test and measurement (hereinafter - test) sample of the product	accredited testing laboratory (center)	
	adoption of a declaration of conformity in the case of a positive test result in an accredited testing laboratory (center)	applicant	
3d	testing standard sample products	accredited testing laboratory (center)	used for serial production on the basis of his own evidence and evidence obtained with the participation of the certification body and (or) accredited testing laboratory (center) in accordance with the list of products, confirmation
	certification of quality management system	Certification Body	

acceptance of the declaration of conformity the applicant

compliance with which is in the form of the declaration of

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	applicant in case of positive test results in an accredited testing laboratory (center) and quality management system certification by the certification body		conformity
4d	testing standard sample products		used for serial production on the basis of his own evidence and evidence obtained with the participation of the certification body and (or) accredited testing laboratory (center) in accordance with the list of products, conformity which is in the form of the declaration of conformity
	Certification of quality management system	accredited testing laboratory (center) certification body	
	adoption of a declaration of conformity in the case of a positive test result in an accredited testing laboratory (center) and quality management system certification by the certification body	applicant	
	implementation of surveillance at intervals of not more than 1 time per year by sample tests by accredited testing laboratory (center) suspension or termination of the declaration of conformity for a negative result of the inspection control	Certification Body Certification Body	

5d	testing sample (s) of products selected from the declaration of compliance submitted by the party to adopt a declaration of conformity of products in the event of a positive test result in an accredited testing laboratory (center)	accredited testing laboratory (center)	used in a limited, pre-specified volume of products to be delivered in a short period of time in separate batches as their serial production (for products imported into the common customs territory of the Customs Union - with short-term contracts for products manufactured in the common customs territory of the Customs Union - with limited release)
		applicant	

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