

# NETWORK STATEMENT

## 2021

# NETWORK STATEMENT 2021.

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Terms used in Network Statement:

Term	Meaning
Ad –hoc request	Request for a infrastructure capacity allocation requiring train path allocation for annual timetable
Industrial track	Railway track to be connected to the infrastructure and serves for delivery and dispatch of goods to the owner or holder of rights to use that track.
Public transport	Transport of passengers and / or cargo, which is available to all users on equal terms
Infrastructure capacity	Total number of train routes allowed by the infrastructure on a given line section, for the present timetable
Licence for transport	Document that certifies the right to make all or special kind of transport in railway transportation
Licence for railway infrastructure management	Document that certifies the right to manage the infrastructure
Freight terminal	All official spots opened for freight reception and parcel dispatching
One Stop Shop	Representative of Infrastructure Manager jointly with representatives of other infrastructure managers make international network facilitating access to international railway infrastructure for customers.
Access right	Right of rail transporter to use railway infrastructure
Transport of passengers of public interest	Transport which provides transportation services to meet the socio-economic needs in a non-discriminatory basis and continuously
Timetable	Infrastructure Manager’ s act that defines plan of train operation
Certifikcate on safety for transport	Documents on the fulfillment of conditions for the safe operation of rail transport
Certificate on safety for infrastructure management	Document on the fulfillment of conditions for the safe management of infrastructure
Train path	Infrastructure capacity needed to train operation between two official places, at certain times, and under precisely defined technical and technological conditions on the infrastructure
Contract on the use of infrastructure	The contract governing the mutual rights and obligations between infrastructure managers and railway carrier
Infrastructure Manager	The legal entity managing the infrastructure
Bottlenecks	A part of infrastructure that cannot fully meet requirements for infrastructure capacity, not even after coordination of various requirements for capacities
Rail carrier	The legal entity performing public transport of passengers or transport for their own needs in the railway transport, which provides traction trains or the provision of train traction services only.

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Abbreviations used in the Network Statement :

<b>Abbreviations</b>	<b>Meaning</b>
CRPS	Central register of business entities
FTE	European organisation of railway transporters (Forum Train Europe)
GIŠ	top of rail
KM	Overhead contact line
MC	AD MONTECARGO Podgorica
OSS	One Stop Shop
OŽVS	Joint Stock company Rolling stock maintenance Podgorica
RID	Regulation for international railway transport of dangerous good
RNE	Association of european railway infrastructure managers (Rail Net Europe)
TK	Remote control
UI	Infrastructure Manager
UIC	International Railway Union
ŽICG	Railway infrastructure of Montenegro Joint Stock company Podgorica
ŽP	Railway transporter
ŽPCG	Railway transportation of montenegro JSC. Podgorica

## 1. GENERAL INFORMATION

### 1.1. Introduction

In accordance with the Strategy of the Government of Montenegro to restructure Railways of Montenegro, an extraordinary General Meeting of Shareholders of *Željeznice Crne Gore AD-Podgorica*, at the meeting held on 02.07.2008, adopted the Decision on the restructuring of *Željeznice Crne Gore-Infrastruktura-DOO, Podgorica* into *Željeznička Infrastruktura Crne Gore AD-Podgorica*(Railway infrastructure of Montenegro Jsc.-Podgorica)

*Željeznička Infrastruktura Crne Gore AD-Podgorica* /hereinafter *ŽICG*/ is railway infrastructure manager in Montenegro, acting as legal entity and within its scope of work, independently, in legal transactions, deals with legal affairs and undertakes other legal actions of importance for business. On the 9<sup>th</sup> of July 2008, in Central Register of Commercial Court in Podgorica has been registered: *ŽELJEZNIČKA INFRASTRUKTURA CRNE GORE AD-PODGORICA*, under registration number 4-0008771/001, as Joint Stock Company

Railway infrastructure of Montenegro, excluding industry tracks, is a public property in general use, owned by State and available for use under equal conditions to all interested transport companies as it is prescribed by Railway Law.

Railway infrastructure management is an activity of general interest. Infrastructure management, in terms of the Railway Law, includes: maintenance of infrastructure, organization and management of railway transport, modernisation of infrastructure and protection of infrastructure  
*ŽICG* manages railway network of 327,72 km.

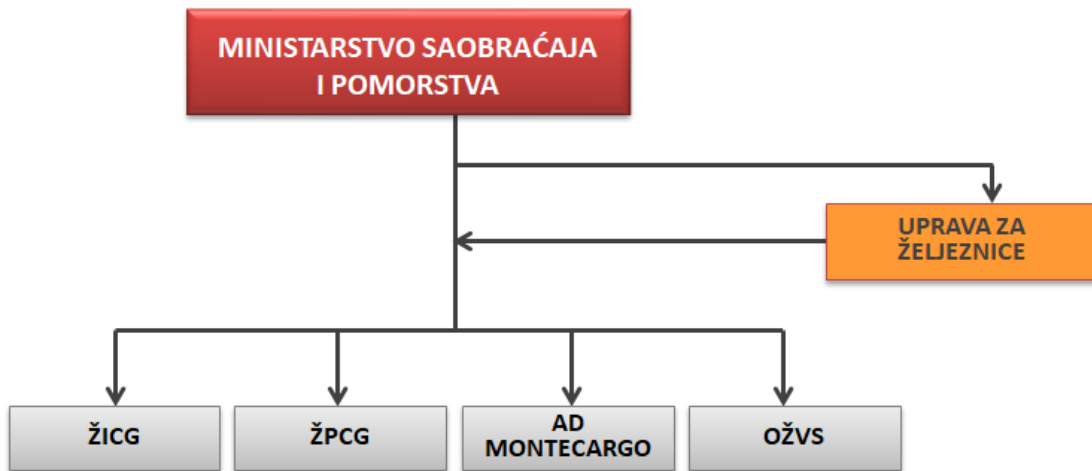
In compliance with Railway Law, Network Statement includes:

- review of the infrastructure characteristics which is available to applicants;
- requirements for the allocation of infrastructure capacity;
- the procedures and criteria for the allocation of infrastructure capacity;
- criteria for determining the costs and charges for use of infrastructure;
- procedures under load of infrastructure and
- other information relevant to the allocation of infrastructure capacity.

Organization chart of ŽICG



Organization of railway sector in MNE



## 1.2. The purpose

The purpose of this Network Statement is to provide single source of essential information that will be required by railway undertakings wishing to operate train services on railway infrastructure managed by ŽICG.

The Network Statement is a document of infrastructure manager detailing the available infrastructure, designed for operators who apply for the allocation of infrastructure capacity (The form is provided in Appendix 1a).

## 1.3. Legal framework

The functioning of railway infrastructure and traffic on the railway network of ŽICG has been regulated by legal act of Montenegro, Infrastructure Managers Acts and acts and technological procedures of Transporter. Rail carrier, in its performance of transport services, must comply with all the legal rules contained in international sources of law as well as national laws and regulations. Regulations and procedures relating to carriers in Montenegro have been defined by the Ministry of Transport and Maritime Affairs in collaboration with the Administration of Railways and ŽICG.

During drafting of this document were used recommendations and directives of EU.

In Annex 1c is enclosed a list of European regulations, national laws, regulations and ordinances that are mentioned in the document and that are used in drafting the Network Statement.

## 1.4. Legal status

The Network Statement is primarily used as a source of information for train operators. Contract on the use of railway infrastructure that conclude the infrastructure manager and train operator may refer to specific parts of the Network Statement, thus binding parties.

ŽICG on the basis of the Railway Act shall be obliged to adopt each year and publish network statement, updated regularly and if necessary changed.

The Network Statement is published on the website ŽICG, ([www.zicg.me](http://www.zicg.me)) in the Montenegrin and English language. If there is no matching between Montenegrin and English version, the relevant is Montenegrin version

### 1.4.1. Liability

ŽICG is responsible for the regularity of information of the Network Statement, but it is not responsible for the detriment caused by printing mistakes in the Network Statement.

Network Statement is elaborated according to information available up to 01.01.2020. and it is aligned with legislation valid in the moment of application of this document. Legislation being in the process of preparation while drafting Network Statement, is not taken into consideration. All regulations and technical documents entering into force upon publishing of

this Network Statement shall be applied and should be taken into consideration during interpretation of this Network Statement.

## 1.4.2. Appeals procedure

Rail carrier may submit appeal to the Administration for railways in the moment when it considers that, in relation to other applicants for infrastructure capacity allocation, he is treated unequally/discriminatory/ or in any other way suffer damage in relation to the Network Statement, including:

- criteria that it sets,
- procedure for allocation of capacity of railway infrastructure and its results,
- criteria for infrastructure access fees,
- level and structure of price for infrastructure access,
- other cases with regard to assurance of access and infrastructure capacity use.

Applicant can regarding this Network Statement initiate procedure for legal protection. He may also submit an appeal to the decision of ŽICG on Amendments to the Network Statement.

Starting procedure of legal protection does not influence on the delay of the entry into force of the Network Statement .

## 1.5. Structure of Network Statement

This Network Statement is elaborated in accordance with the structure of the Network Statement adopted within international organization **the RaiNetEurope(RNE)**, Association of European Rail Infrastructure Managers / [www.rne.eu](http://www.rne.eu) /. Adopted structure of Network Statement ensures that Network Statement of different infrastructure managers from different countries shall be uniform and contain roughly the same information

<b>Structure of the Network Statement</b>		
<b>No.</b>	<b>Network Statement chapter</b>	<b>Content (description ) of the chapter</b>
1.	General information	contains objectives of issuing Network Statement
2.	Access conditions	sets conditions that rail carrier should meet in order to access to railway infrastructure
3.	Infrastructure	contains description of railway infrastructure managed by ŽICG
4.	Capacity allocation	sets procedures and conditions for infrastructure capacity allocation
5.	Services	contains description of services provided by ŽICG
6.	Charges	contains description of method for calculation of infrastructure access charge and services provided by ŽICG.

## 1.6. Validity and updating process

Network Statement is valid for the period of annual Timetable.

This Network Statement is related to ::

- access to railway infrastructure and use of railway infrastructure for the validity of timetable 2020/2021,
- procedure for infrastructure capacity allocation for timetable 2020/2021.

Timetable 2020/2021 enters into force on the 13<sup>th</sup> of December 2020, and ends on the 11<sup>th</sup> of December 2021.

ŽICG must regularly update Network Statement in the case of changes of important information that have been issued. All changes of Network Statement shall be announced on website [www.zicg.me](http://www.zicg.me)

ŽICG shall inform about making changes rail carrier with whom has concluded contract on railway infrastructure use.

## 1.7. Announcement

The Network Statement is available, free of charge, in hard copy and in electronic copy on the website of ŽICG – [www.zicg.me](http://www.zicg.me). The Network Statement is announced in Montenegrin and English language. Network statement in English language is only announced in electronic version.

## 1.8. Contacts

ŽICG shall, at the transporter`s request , make available other information not contained in the Network Statement.

Contacts:

Contact		Address		
Railway infrastructure of Montenegro – JSC. Podgorica	Transport management and regulation	Trg Golootočkih žrtava 13 CG - 81 000 Podgorica	Tel:	+ 382 20 441 267
			Fax:	+ 382 20 441 255
			e-mail:	<a href="mailto:batric.nikovic@zicg.me">batric.nikovic@zicg.me</a>
			web:	<a href="http://www.zicg.me">www.zicg.me</a>
Ministry of Transport and Maritime Affairs	Directorate for railway transport	Rimski trg 46 CG – 81 000 Podgorica	Tel:	+ 382 20 482 156
			Fax:	+ 382 20 234 331
			web:	<a href="http://www.msp.gov.me">www.msp.gov.me</a>

Administration for Railways	Hercegovačka 75 CG - 81000 Podgorica	Tel: Fax: web:	+ 382 20 232 127 + 382 20 232 128 <a href="http://www.uzz.gov.me/uprava">www.uzz.gov.me/uprava</a>
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## 1.9. International cooperation among infrastructure managers

RNE is a non-profit making association of Infrastructure Managers (IM) and Allocation Bodies and it is dedicated to facilitating International Traffic on the European Rail Infrastructure. ŽICG is not a member of RNE.

## 2. CONDITIONS FOR ACCESS TO RAILWAY INFRASTRUCTURE

The legal framework for access to railway infrastructure are:

- Railway law ("Official Gazette of Montenegro", No. 27/13) and its by-laws,
- Rulebook on precise conditions for licensing of railway infrastructure managers ("Official Gazette of Montenegro", No. 08/16)
- Rulebook on issuing safety certificates to railway infrastructure management, railway infrastructure industry and port railway infrastructure ("Official Gazette of Montenegro", 27/15),
- Rulebook on issuing licenses for carriage by rail ("Official Gazette of Montenegro", No. 56/08)and
- Rulebook on issuing safety certificates for transport by rail ("Official Gazette of Montenegro", No. 27/15)

### 2.1. General conditions for access

ŽICG approves the use of the infrastructure to all railway operators who have:

- valid license for transport and
- certificate on transport safety,

issued by Administration for railways and

- concluded valid Contract on infrastructure use .

#### 2.1.1. Conditions for submission of requests for train path allocation

Request for train path allocation may be submitted by railway transporter, legal or natural person who in the time of submission of request has valid license for railway transport and transport safety certificate issued by Administration for railways.

An applicant who is not a rail carrier is obliged to, in the request for the allocation of railway infrastructure capacity, nominate carrier that would conclude contract with ŽICG on the use of railway infrastructure.

Rail carrier when applying for the allocation of infrastructure capacity must respect the deadlines set out in Chapter 4 the Network Statement.

Allocated infrastructure capacity, the applicant must not transfer to another carrier. Any trade with infrastructure capacity is not allowed and would result in the exclusion of the carrier from further allocation of capacity.

## 2.1.2. Rail transport services

Rail transport services can be performed only by companies that meet the requirements of the Railway Act, namely, to be registered in Central Registry of the Commercial Court, to have valid transport license and certificate for safe transport issued by Railway Administration.

## 2.1.3. Certificate of safety and Transport license

Certificate of safety and Transport license are issued by Railway Administration to carrier in Montenegro, in accordance with:

- Law on safety, organization and efficiency of railway transportation,
- Railway law and
- Rule book on issuing certificate of safety and license for transport in railway transportation.

Upon request, Administration of Railways issue certificate of safety and transport license to carrier for a period of 5 years.

<b>Railway Administration</b>
Hercegovačka 75 CG - 81000 Podgorica Tel: + 382 232 127 Fax: + 382 232 128 Web: <a href="http://www.uzz.gov.me/uprava">www.uzz.gov.me/uprava</a>

## 2.1.4. Railway infrastructure access contract

Railway infrastructure access contract is a contract entered into between infrastructure manager and carrier, that closely specifies mutual rights and obligations, with reference to:

- fee for the use of railway infrastructure,
- the method of fee payment,
- conditions and the way of use of allocated path,
- contract deadline,
- the way of dispute settlement,
- other issues relevant to path use.

Railway infrastructure access contract approves to the Carrier the use of awarded capacity.

The contract is concluded after the implementation of the procedure for the allocation of infrastructure capacity.

Allocated infrastructure capacity or the route of the train can be used only after the contract conclusion of the use of the infrastructure.

The signing of the contract on the use of rail infrastructure, rail carrier recognizes and accepts the general terms and conditions, which then become part of the contract of use.

### **2.1.5. Framework agreement**

Framework agreement is legally binding agreement setting rights and obligations of applicants for railway infrastructure capacity allocation and IM for a period longer than one timetable, in accordance with Railway Law.

The Framework Agreement must not be such as to advance off the use of infrastructure by other applicants.

The Framework Agreement specifies the conclusion of the Agreement on the use of railway infrastructure.

### **2.1.6. Liability certificate – insurance**

An ability to compensate for any damages arising from liability in the performance of transport and provision of guarantee that it can cover the damage in accordance with law and other regulations, and agreements binding Montenegro, is one of the conditions for obtaining a license to transport

## **2.2. Transport of special consignments**

Empty or loaded vehicles must, in terms of load profiles, code numbers , maximum permissible mass per axle, meter and other parameters, meet conditions for railway lines.

Vehicles that do not meet the requirements of paragraph 1 of this Article shall be considered special parcels and can operate on railway lines if they meet specific conditions that allow safe railway traffic based on the approval of the infrastructure manager.

Transportation of special consignments in inner and international railway transport is regulated by Rule book on transport of special consignments in railway transport (Rulebook 20) and provisions of the following international agreements:

- RIV (2000) . Agreement on exchange and use of freight cars among railway companies,

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- RIC (2001) - Agreement on exchange and use of passenger cars for international transport,
- SMGS - Agreement on international railway freight transport and
- UIC provisions 502.

More information on transport of special consignment can be found in Chapter 4. and 5. Network Statement.

<b>Railway Infrastructure of Montenegro JSC - Podgorica</b> <b>Management and regulation of transport Department</b>
Trg Golotočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 267 Fax: + 382 20 441 255 <a href="mailto:batric.nikovic@zicg.me">e-mail: batric.nikovic@zicg.me</a> <a href="http://www.zicg.me">www.zicg.me</a>

### 2.3. Transport of dangerous goods

Hazardous substances are those that can endanger human health, cause environmental contamination or material damage, and thus defined in the laws, regulations and international agreements.

Transport of dangerous goods is defined by:

- Transportation of Dangerous Goods Law and
- Regulations on the international railway transport of dangerous goods - RID.

Storage and transportation of hazardous substances is done in accordance with valid laws of Montenegro referring to this field.

More information on the transport of dangerous goods can be found in Chapter 4 and 5 The Network Statement.

<b>Railway Infrastructure of Montenegro JSC - Podgorica</b> <b>Management and Regulation of transport Department</b>
Trg Golotočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 267 Fax: + 382 20 441 255 <a href="mailto:batric.nikovic@zicg.me">e-mail: batric.nikovic@zicg.me</a> <a href="http://www.zicg.me">www.zicg.me</a>

### 2.4. Rolling stock acceptance

Railway vehicles that can be used on the Montenegrin lines are:

- vehicles of national carriers that have license for use issued in accordance with the Law on Railway Safety, organization and efficiency of railway transport and the Railway Law,
- foreign lorries and cars that have the marks RIV, RIC i TEN i
- vehicles that are the subject of separate bilateral and multilateral agreements and locomotives and sets that have documents in accordance with bilateral agreements.

### **2.5. Staff acceptance**

The carrier`s personnel intended to be used for the management and use of railway rolling stock on the railway network in Montenegro for the performance of transport, i.e. executive staff, must meet the requirements in terms of qualification and medical fitness in accordance with the Law on Railway safety, organization and efficiency of railway transport

Personnel of the carrier that hold a valid safety certificate meets the above requirements.

## 3. INFRASTRUCTURE

Information on railway infrastructure in Network Statement are based upon a facts known in the moment of its creation. All changes appeared after publishing of this Statement shall be updated and published on web site of ŽICG..

### 3.1. The extent of network

Total Montenegrin railway network length is 327.72 km, out of which:

- open line 250,51 km, i
- station tracks 77,2 km.

Entire line is single-track. 223,8 km is electrified by mono-phased system 25Kv 50Hz. Non electrified 24,74 km of open line.

Basic information about the railway network are presented in the form of maps and tables contained in the Annexes to the Network Statement..

Montenegrin railway network is presented in Appendix 2.

#### 3.1.1. Borders

The railway network in Montenegro is owned by the state, and the control is given to ŽICG.

The borders towards neighboring railway administrations are state borders.

With neighboring railway administrations, when crossing state borders, there are no gauge changes nor change of electric traction system.

Border station with neighboring railway administration of the Republic of Serbia is the station Bijelo Polje, and with neighboring railway administration of the state of Albania is the station Tuzi.

Change of train traction in freight transport is carried out on the border crossing with the Railway carriers of Serbia at border station Bijelo Polje.

In railway transportation between ŽICG and Albanian railways/HSH/, change of train traction has been done in joint border stations Tuzi (Montenegro) and Bajze (Albania) on the basis of Protocol on organization and regulation of railway transport in the zone.

Review of border stations is given in table below.

No.	Border station	Railway line	Neighboring country	Note
1.	Bijelo Polje	Bijelo Polje - Bar	Serbia	for freight and passenger trains
2.	Tuzi	Podgorica - Tuzi	Albania	for freight trains

### 3.1.2. Industry tracks

Railway infrastructure of Montenegro network is connected with a number of industry tracks owned by other legal entities:

- industry track in passing point Kruševo (Jugopetrol AD EKO, freight reserves ),
- industry track in station Mojkovac,
- industry tracks in station Podgorica:
  - aluminium plant Podgorica and
  - Zetatrans.
- industry tracks in station Bar:
  - port Bar JSC,
  - Port of Adria Bar.
- industry track in station Nikšić (iron factory and bauxite mine),
- industry track in station Danilovgrad,
- industry track in passing point Spuž.( Mill and „Factory of apartments“ Properties Alternatives

### 3.2. Network description

Railway network of Montenegro is single line.

Width of all tracks of railway network of Montenegro is 1435

mm. Railway line of Montenegro are the category D4.

The name of official places of the network managed by ŽICG, their geographical location, the distance between the maximum allowed length of trains are given in Annexes 3, 4 i 5.

### 3.3. Technical norms of network ŽICG

Valid technical norms of the ŽICG network are :

- allowed axle load on all railway lines is 22,5 t per axle,
- allowed load per meter on all railway lines is 8 t,
- distance between official places and maximum allowed speed on the railway lines are given in Annex 4,
- maximum allowed length of trains is given in Annex 5,

- 
- gauge on the railway network in Montenegro is GB (UIC leaflet 506). Sketch of

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clearance is available in Annex 6,

- relevant gradients and resistances per sections are given in Annex 7,
- power supply - single phase system - 25 kV, 50 Hz. The scheme of the system of electrification of railway lines is given in Appendix 8.
- lines which do meet the requirements for the management of traction vehicles with one driver are given in Annex 9,
- traction vehicles that meet the requirements for the management of single driver are given in Appendix 10 and
- the heights of contact line are given in the Appendix 6:

### 3.4. Traffic regulation system i communication systems

Trains operation, including signaling, regulation, receipt and dispatch of trains, communication regarding the trains operation on the railway network, is managed by the signaling and safety devices and telecommunications facilities.

Managing and regulation of traffic on Bijelo Polje – Bar railway line and Podgorica – Tuzi railway line (except station Podgorica) is realized via electrical relay system „SIMENS – EI“ with inter-station distance control based on axles counter principles.

In station Podgorica, managing and regulation of traffic is realized electronically with a computer control level, a high-level computer source and a non-contact interface for external devices "ESA-44" - CG.

On railway line Nikšić – Podgorica, management and regulation of traffic is carried out by remote control management system with signal boxes ESA -11 with control the inter station system through electronic sensors, located in the station Podgorica.

### 3.5. Telecommunication system

Railway line Bijelo Polje – Bar is equipped by rail dispatching devices „Siemens“ production and by three dispatching command centrals in Podgorica in order to make communication between transport personnel. Telecommunication connections between adjacent stations are done by copper cables.

Optical cables have been places along the railway lines Bijelo Polje – Bar and Nikšić – Podgorica, as it can be seen in Appendix 11.

In the railway line Nikšić – Podgorica, the railway stations have been equipped by rail dispatching devices of Slovak production „Inoma comp“ and they can work in local and telecommand system as well ( this relates to official communications as well as for train announcement).

Talks intended for regulation of transport are recorded by recording devices

### 3.6. Auto-Stop devices

Railway network managed by ŽICG is equipped with Auto- Stop device type "I 60". "Kilometric position of chainage is given in Appendix 12.

## 3.7. Traffic restrictions

There are no special restrictions on the railway lines managed by ŽICG in terms of environmental protection, transportation of dangerous goods, on bridges and in tunnels

## 3.8. Availability of infrastructure

Railway lines managed by ŽICG are in operation continuously in the period from 0- 24 h, except for railway line Podgorica –Tuzi that is limited for the period from 08-20h..

Limitations of infrastructure required for regular maintenance of the infrastructure, make the part of the capacity allocation process and are published in materials with the valid timetable.

ŽICG will inform in time, two months in advance , all rail operators on all other long-planned railway infrastructure works that could affect the flow of traffic, such as reducing speed, delays of trains, buses replace trains, interruption of traffic on certain sections due to closure of traffic so that the carrier could plan movement of transport in other parts of the day / shift route trains / or other modes of transport. Infrastructure Manager and Rail Carriers will jointly agree on the best possible solutions..

## 3.9. Official places for receipt and dispatch of passengers

Official places for passenger traffic are equipped with adequate facilities and equipment for the provision of services to passengers, or where it is allowed to enter and exit the passenger trains. On the railway network in Montenegro there are 48 official places (stations, passing points and stop) opened for passenger traffic.

Overview of official places for receiving and shipping of passengers is provided in Appendix 13.

## 3.10. Official places for loading and unloading of accompanied cars

Loading and unloading of accompanied cars (in passenger transport) is done in head ramps in stations Podgorica and Bar.

<b><u>Railway transport of Montenegro - Podgorica</u></b>
Trg Golootočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 370 Fax: + 382 20 441 234 <a href="mailto:rajka.marinovic@zpcg.me">e-mail: rajka.marinovic@zpcg.me</a> <a href="http://www.zcg-prevoz.me">www.zcg-prevoz.me</a>

## 3.11. Freight handling places

Freight handling places along the network managed by ŽICG , opened for loading and unloading of parcels are :

- station Bijelo Polje,
- station Mojkovac,
- station Kolašin,
- station Podgorica,
- station Bar,
- station Nikšić and
- station Danilovgrad.

Loading and unloading of part-load shipments can be made by special agreements between ŽICG and carriers

## 3.12. Technical capacity to provide services

Technical capacity to provide services in transport is explained in detail in the paragraphs below

### 3.12.1. Marshaling yard

ŽICG network has the following marshaling yards: Bijelo Polje, Podgorica, Bar and Nikšić, and it has the technical capacities for marshaling of trains.

### 3.12.2. Side tracking tracks

Side tracking of passenger coaches is done at the starting station of trains for passenger transport on specially designated tracks in stations Bar, Podgorica and Nikšić.

Side tracking of freight wagons shall be done in consultation with ŽICG on separate tracks for side tracking of wagons in marshaling stations Bar, Podgorica and Nikšić, in accordance with point 6.1.2 of this Network Statement.

Detailed information about side tracking of the cars are available in the infrastructure manager.

<b>Railway Infrastructure of Montenegro JSC - Podgorica</b> Department for Management and regulation of transport
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Trg Golotočkih žrtava 13

CG - 81 000 Podgorica

Tel: + 382 20 441 267

Fax: + 382 20 441 255

[e-mail: batric.nikovic@zicg.me](mailto:batric.nikovic@zicg.me)

[www.zicg.me](http://www.zicg.me)

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### 3.12.3. Rail scales and unit for measuring of cargo profile

## NETWORK STATEMENT 2021.

Overview of stations containing rail scales and units for measuring of cargo profile can be found in Appendix 14. These facilities are managed by the Infrastructure Manager, and service of weighing and measuring of the cargo profile is done by carrier for its own purposes.

### **3.12.4. Ramps for loading, unloading of goods**

Overview of ramps for loading and unloading is given in Appendix 15. These facilities are managed by ŽICG, service of maneuvering is done by carrier for its own purposes.

### **3.13. Infrastructure development projects**

The railway infrastructure managed by ŽICG is constantly updated and modernized in order to provide better service to users.

Modernization and reconstruction of railway infrastructure is implemented through development projects that are in line with the Transport Development Strategy of Montenegro, Railway Development Strategy for period 2017-2027, Transport Development Strategy for period 2019.-2035, National Programme of Railway Infrastructure for period 2018-2020 and the approved ŽICG Annual Work Plan.

The possibility of realization of the planned works depend on the amount of funds that Montenegro annually allocate from the state budget for current maintenance and from revenues that ŽICG gained by lease of rail path, lease of offices and land leasing, as well as from loan and grants of international financial institutions given for reconstruction and modernization of railway infrastructure.

Scheduled works for the repair and reconstruction of railway infrastructure in 2020 are shown in Appendix 16.

## 4. CAPACITY ALLOCATION

Under the Railway law, ŽICG is responsible for the allocation of infrastructure capacity for international and domestic transport in a transparent and non-discriminatory manner, if have been previously met all the legal provisions on terms and conditions for access to rail infrastructure, as defined in Chapter 2. The Network Statement.

### 4.1. Description of procedure

Allocation of infrastructure capacity as the route of the train is done according to the procedures set out in this document, as follows:

- the procedure for the allocation of infrastructure capacity as per the annual timetable
- the procedure for the allocation of infrastructure capacity out of the procedure for making the annual timetable.

The requirements for the allocation of infrastructure capacity shall be submitted in accordance with the procedures defined in section 4.3. the Network Statement

The following information are required to be submitted in the request:

- the name of the rail carrier,
- type of train (passenger, cargo, empty, locomotive, etc..),
- desired departure / arrival,
- routing,
- needed halting with the minimum stopping time,
- period and days of running,
- the type and number of wagons / type and number of set ,
- length and weight of the train (length in meters; weight in tons),
- Type and serial number of the hauled vehicle ,
- additional locomotives (type and serial number)and on which section,
- the highest speed of train,
- the type and percentage of braking and
- special provisions

The Request for capacity allocation delivered to ŽICG which has been submitted within the prescribed period and that contains all the required elements forms the basis for the making of timetable and path allocation. If rail carrier changes its request in whole or in part after the deadlines for submission, it takes the risk that his request won't be granted. All missing data, rail carrier must submit at the request of ŽICG within five working days. Otherwise, the request will be considered as not filed.

After carried out procedures for the drafting of timetable, the final consultations with rail operators and the process of the path allocation as per requests received up to 14.04.2020, the

allocation of the remaining available capacities shall be done under the terms defined in Appendix 17 in accordance with the order of requests reception.

## 4.1.1. The method of capacity allocation

ŽICG decides on capacity allocation considering all timely submitted requests and the legal provisions in force.

In accordance with the Railway Law in Section 4.3. ,The Network Statement defines the procedures and deadlines in the allocation of capacity

## 4.1.2. Competent authorities involved in the capacity allocation process and their responsibilities

The bodies involved in the capacity allocation process:

- ŽICG - as the Infrastructure Manager who carries out the allocation of capacity,
- Applicants - rail carriers, legal or natural persons, requesting allocation capacity
- FTE - ForumTrainEurope - European organization of railway transporters representing a European forum for the technical planning of international passenger and freight transport.

## 4.2. The time schedule for request submission and capacity allocation

Every year ŽICG make a plan of deadlines for the submission of requests and allocation of capacity, used in the preparation of the annual timetable and capacity allocation process out of drafting process of annual timetable(Ad hoc).

The carrier submits an application for capacity allocation under the schedule for the development of annual timetable in Appendix 1b.

### 4.2.1. The time schedule of the application as per annual Timetable

Rail carrier submits request for capacity allocation as per annual timetable in the prescribed form and within the set time limits as follows::

Submission of request	
by post:	Railway Infrastructure of Montenegro JSC. – Podgorica <u>Department for Management and regulation of transport</u> Trg Golotočkih žrtava 13 CG - 81 000 Podgorica
by fax:	+ 382 20 441 148

The deadlines for submitting applications and capacity allocation for the timetable 2020./2021 which starts on 13.12.2020. and ends on 11.12.2021. can be found in Appendix 17.

## **4.2.2. The plan for requests submission for capacity allocation out of the drafting process of annual timetable (Ad hoc)**

If the rail carriers wishes to obtain additional capacities or change already assigned train route, ŽICG shall proceed with , on the basis of already offered and published route in the Timetable within 30 days from the day of request reception, making new route of special train , not giving guarantee to request fulfillment related to time of departure and time of arrival in station mentioned in request.

## **4.2.3. Allocation of capacity during the valid timetable for a short period of service provision, taking into account the regular amendments of the annual timetable**

Requirements for capacity allocation during the valid timetable for a short period of service provision, taking into account the regular amendments of an annual timetable, are submitted by the prescribed deadlines of regular amendments to the annual Timetable contained in Appendix 17a.

Requests can be submitted to address:

<b>Address for request submission</b>	
by post:	Railway Infrastructure of Montenegro JSC – Podgorica Transport management and regulation Department Trg Golotočkih žrtava 13 CG - 81 000 Podgorica
by fax:	+ 382 20 441 148

## **4.3. Allocation process of capacities**

After the end of the deadline for submission of applications for the development of the annual Timetable, ŽICG starts with design and drafting a timetable on a transparent and non-discriminatory manner. Applications received after the deadline for submission of applications will not be considered in the drafting of the annual timetable. All applications received after the deadline will be considered when defining all routes upon the requests received by the deadline.

Exceptionally, when possible, it is allowed in the draft timetable to include requirements for routes requests received after the regular deadline if they do not obstruct requests for route trains requested in the regular term .

Requests for capacity allocation received after the completion of the draft annual timetable can affect the revised draft, and to be approved only with the consent of the railway transporter to whom the capacity initially granted.

ŽICG shall, in the process of drafting timetables, make consultation with the applicants in order to better meet the demands for capacity allocation.

The allocated capacities can be used after the conclusion of the Contract for the use of the railway infrastructure between ŽICG and rail carrier which filed for capacity allocation..

ŽICG has the authority to award preferentially capacity to the candidate who offers services based on the obligations of public transportation or whose primary activity is the performance of public transport..

Allocated capacity is not transferable to another rail carrier.

### **4.3.1. Adjustment procedure**

ŽICG shall, at the beginning of each year, before the start of the capacity allocation process, conduct consultations with rail operators about their plans for the future timetable. During the consultations, ŽICG will inform rail carriers on major works that are planned in the maintenance and reconstruction of railway infrastructure.

After the deadline for submission of applications for capacity allocation for the annual Timetable, ŽICG approaches to the construction of timetable and the drafting of the Timetable in coordination with rail carriers in order to meet the needs of carriers as much as possible. In the case of a conflict situation during the request submission, ŽICG shall, in coordination with the concerned railway operators, try to achieve a solution that would satisfy all parties.

If the number of requests for the allocation of the same infrastructure capacity exceeds the capacity of a specific line, ŽICG will convene a meeting with all interested operators and try to coordinate with the received requests, even if the conditions are the same for all applicants, the determining factor is the date of application.

Upon completion of the process of coordination, ŽICG submits a draft Timetable to railway operators in accordance with the deadline set out in Appendix 17. Rail carriers must declare in writing to accept the draft Timetable or to submit written comments on the draft Timetable in accordance with the deadline set forth in Appendix 17., ŽICG shall together with rail carriers, make final consultations and define the schedule according to requests received up to 14.04.2020. in accordance with the deadline set out in Appendix 17.

## NETWORK STATEMENT 2021.

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After that, ŽICG awards the remaining available capacities according to the requests received after 15.04.2020. – 19.10.2020. as per order of receiving the requests, and in accordance with the timetable set out in Appendix 17.

Regarding assigned capacity, the rail operator and infrastructure manager enter into contract on the use of railway infrastructure.

### 4.3.2. Settlement dispute procedure

Rail carrier`s disagreement in terms of coordination must be made in writing within 3 days of receipt of the proposal for the allocation of capacity, to ŽICG..

ŽICG will start settling disputes immediately upon receipt of written objections of rail carriers and the final decision shall be made no later than 5 working days..

Written comments shall be sent to ŽICG`s address:

Address for request submission	
by post:	Railway Infrastructure of Montenegro JSC – Podgorica Transport management and regulation Department Trg Golotočkih žrtava 13 CG - 81 000 Podgorica
by Fax:	+ 382 20 441 148

Even if after the coordination of requirements, yet it is not possible to satisfy all requests for allocation of capacity, ŽICG has the obligation to announce that respective section of line is being congested..

The carriers may appeal on the decision of ŽICG to the Railway Administration.

Eventual appeal of rail carriers cannot be the reason for delay in procedure of adopting and entering into force the Timetable.

### 4.3.3. Infrastructure bottlenecks

If ŽICG, due to the capacity constraints in the coordination process, cannot satisfy all the requests of railway transporter, that part of infrastructure capacity will be deemed "congested" which will be notified to the Administration of Railways.

When it comes to lack of capacity, ŽICG has a preferential right to award the route in the following order:

- public passenger transport services,
- international passenger transport services,
- freight transport services,
- other freight transport services.

Taking into account the above-mentioned priorities, train path allocation process will be conducted according to the following rules:

- Requirements for regular train paths have priority over the claims of extraordinary trains
- Request for train paths under framework agreements, take precedence over the new requirements,
- Request for train paths covering a longer period of operations, take precedence over the requirements for a shorter period of time,
- Requests for train paths for longer distances, take precedence over the requirements for shorter distances,
- In request for train paths of the same or of equal characteristic, preference will be given to those trains that in the previous schedule had a higher percentage of utilization of the entire route of the train for which the application is submitted.

In the event that a section of track is declared congested, ŽICG will offer candidates another route with sufficient capacity.

If railway carrier considers being deprived of its rights, it can appeal to Railway Administration.

#### **4.4. Allocation of capacities for trains for maintenance and reconstruction**

The allocation of infrastructure capacities for maintenance and reconstruction of railway infrastructure is an integral part of the capacity allocation process. If it is planned higher reconstruction of the railway infrastructure requesting delivery of materials by trains, you will be assigned the same route in the procedure of Timetable creation as a priority, i.e. assigned routes will be included in the capacity of railroad..

In order to maintain a certain level of quality, safety and reliability of railway infrastructure, ŽICG shall, in the process of Timetable drafting, reserve the part of infrastructure capacity for regular maintenance of the railway infrastructure, for specific periods of time and for certain sections.

ŽICG will inform interested parties as soon as possible, on the unavailability of infrastructure capacity due to unplanned maintenance works.

## **4.5. Capacities allocation for service facilities**

Rail carriers may submit requests to use only the service facilities managed by ŽICG.

Rail carriers shall submit requests for the use of service facilities:

- Within the requests for train path in accordance with the procedures for capacity allocation prescribed in paragraph 4.2. and 4.3,
- with specific written request submitted to the following address:

<b>Address for request submission for service facilities</b>	
by post:	Railway Infrastructure of Montenegro JSC – Podgorica Transport management and regulation Department Trg Golootočkih trtava 13 CG - 81 000 Podgorica
by Fax:	+ 382 20 441 255

Priority in the allocation of service facilities have the capacity requirements submitted under the Request for the path of trains..

## **4.6. Non usage paths / Cancellation rules**

Rail carrier may cancel the allocated capacity at no charge:

- 5 days before the service provision in the event of an international train,
- 3 days before the service provision in the event of national train .

Rail carrier may cancel train route without compensation at the latest 60 days before the first planned drive.

Rail carrier may cancel planned drive(train) but depending upon the time of cancelation , it will pay compensation in accordance with article 6.2.2. of this Network Statement.

ŽICG reserves the right to cancel the allocated capacity at congested infrastructure if the assigned capacity is used less than 50% of the monthly quota, except for reasons of national character and beyond the railway carrier`s control(special consignments, military transportation, special transportation etc.)

ŽICG will award unused capacity of the path to the candidates during the period of validity of the timetable as per schedule of submission of requests for capacity. He will assign preferentially capacity to the candidate who has a state certificate to provide services in the region on the basis of agreement on the performance of transport and whose primary activity is public transport on the railroad infrastructure. Rail carrier must cancel the assigned capacity in writing at address:

<b>Address for capacity cancellation</b>	
By post:	Railway Infrastructure of Montenegro JSC – Podgorica Transport management and regulation Department Trg Golootočkih trtava 13 CG - 81 000 Podgorica
by Fax:	+ 382 20 441 255

## **4.7. Exceptional transport**

ŽICG provides transportation service of special consignments in accordance with the conditions of carriage of special packages that are specified in the Regulations on the transport of special consignments by rail (Rulebook 20).

Rail carriers must obtain permission from ŽICG including the conditions for the transport of special consignments.

Request for approval of special consignment transport with all necessary data on particular shipment that will be transported by rail, carriers shall submit to address:

<b>Submission of request</b>		<b>Deadline for submission of request</b>	<b>Deadline for reply</b>
By post:	Railway Infrastructure of Montenegro JSC – Podgorica Transport management and regulation Department Trg Golotočkih trtava 13 CG - 81 000 Podgorica	at least 2 weeks prior to service provision	At least 2 weeks from the reception of the request
By phone:	+ 382 20 441 267		
by Fax:	+ 382 20 441 255		

Depending on the particular shipment, processing of requests may require a longer or shorter period of processing the requests, so that the consultations rail carriers and ŽICG will be necessary concerning the possibilities of transportation of the consignments and accordingly submit the application on time.

Rail carriers may obtain more information at the above address.

Taking into account all the necessary elements for the transport of special consignments, ŽICG decides whether it is possible to take certain transport and under what terms and conditions.

## **4.8. Transport of dangerous goods**

Transport of dangerous goods on the railway infrastructure managed by ŽICG is governed by :

- Regulation on Transportation of Dangerous Goods and
- Regulation on an International Railway Transport of Dangerous Goods – RID 2019.

Rail carriers are required to report ŽICG each shipment of hazardous materials to be transported in regular train, the RID class and place of placing the car on the train.

Rail carriers are responsible for the implementation of the appropriate consents regarding the safety of transporting hazardous materials

Detailed information regarding the transportation of hazardous materials can be found at address:

<b>Railway Infrastructure of Montenegro JSC - Podgorica</b> <b>Transport management and regulation Department</b>
Trg Golotočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 267 Fax: + 382 20 441 255 <a href="http://www.zicg.me">www.zicg.me</a>

### **4.9. Special measures in the case of disturbances**

ŽICG and rail carriers will, in the event of an emergency, immediately inform each other of all elements of emergencies and take all necessary measures that are in accordance with law on safety, organization and efficiency of railway transport in order to protect human life and health, to prevent further damage occurrence and traffic normalization.

ŽICG can cancel some trains or specify them a different route in consultation with railway carrier, all depending on the type of disorders, as well as the expected duration of the interruption.

In the course of establishing traffic, ŽICG must apply operating rules for the regulation of rail transport, which are regulated by the Law on safety, organization and efficiency of rail transport, Traffic Rules and regulations governing this matter.

ŽICG, in accordance with applicable regulations, could interrupt the flow of traffic as long as it is necessary to take measures for the elimination of the occurred situation.

Extra trains involved in the elimination of interference caused as a result of extraordinary events take precedence over all other trains.

ŽICG can ask for help from rail carrier in order to normalize the operating conditions of traffic, even if they did not directly cause interference, which may include the use of their vehicles and staff in order to normalize the traffic.

## 5. SERVICES

ŽICG provides the following services to rail operators:

- Minimum access package,
- railroad access to service facilities and their use,
- additional services and
- related services.

ŽICG allows all interested transporters, on non-discriminatory level, to use the services above mentioned .

ŽICG allows to all railway operators use the above mentioned services at their request by the signing of the contract on the use of railway infrastructure or special contracts

The use of service facilities that are not managed by ŽICG, as well as additional and ancillary services not provided by ŽICG, are subject to special contracts with the managers of mentioned service facilities and those who provide these services.

### 5.1. Minimum access package

Minimum package of services provided by ŽICG include the following services:

- processing of requests for infrastructure capacity,
- the right to use the assigned capacity,
- using tracks, switches on an allocated capacity,
- managing traffic, including signaling, regulation, reception and dispatching of trains, communication regarding train operation and provision of information on train running
- the use of power equipment for power supply needed for train traction, where it is available and
- providing any other information needed to implement and provide services for allocated capacity.

Processing of requests for infrastructure capacity is part of the capacity allocation process described in Chapter 4. this Network Statement.

If all the necessary conditions to drive the train are met in accordance with the applicable legislation, which refers to the license and certificate for transport, signed contract on the use of rail infrastructure, rail carrier has the right to use allocated capacity in the form of a train path

Use of tracks and switches on the assigned infrastructure capacity allows to train carrier train operations as per agreed Timetable .

Overall management of train traffic, including signaling, regulation, receipt and dispatch of trains, communication relating to train operation and provision of information with the use of

telecommunication devices enables rail operators performance of train operations on assigned route. In exceptional cases, in the official places where there is no maneuver personnel, ŽICG provides services related to the changing composition of the train (off the car from the regular train traffic which would lead to compromising the safety of traffic and the train).

ŽICG will allow the use of equipment for the electricity that is needed for train traction to all railway operators on a non-discriminatory manner.

The consumption of electrical energy fees will be the subject of a separate agreement.

Upon adoption and publication of the Timetable, the material of the Timetable drawn up and published by ZICG will be distributed to all rail carriers. Also they will be provided with all additional information necessary for the implementation of the route within the minimum access package.

### **5.2. Track access to service facilities and their use**

Services provided by ŽICG for rail access to the service facilities and their use are:

- stations for receiving and shipping of passengers, baggage and goods, and other facilities, including presentation of the Timetable of passenger trains and appropriate space for ticketing,
- freight terminals,
- marshalling track,
- side tracking and
- facilities for the provision of other services.

The use of the above services provided by ZICG shall be made available to all interested railway undertakings in a non-discriminatory manner and at their request.

### **5.3. Additional services**

Additional services that ŽICG can provide to transporters are defined by special contract.

Additional services include:

- electricity supply for traction of trains,
- support in the transport of dangerous goods and
- support in the transport of exceptional consignments.

In cases where the cost of services cannot be assessed in advance, but this is only possible after the service is provided, ŽICG will establish their own, appropriate, costs and invoice them to the carrier based on and after services rendered.

Using the abovementioned additional services provided by ZICG is open to all rail carriers in non-discriminatory manner and at their request. Further information on additional service provision can be given in:

<b>Railway Infrastructure of Montenegro JSC – Podgorica</b> Transport management and regulation Department
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Trg Golotočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 267 Fax: + 382 20 441 255 <a href="mailto:batric.nikovic@zicg.me">e-mail: batric.nikovic@zicg.me</a> <a href="http://www.zicg.me">www.zicg.me</a>
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### 5.4. Ancillary services

Ancillary services provided by ŽICG are:

- Telecommunication Network access and
- Additional information provision.

ŽICG retains the right to decide which services to provide and under what conditions. Further information can be found on address:

<b>Railway Infrastructure of Montenegro JSC – Podgorica</b> Transport management and regulation Department Operational service
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Trg Golotočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 267 Fax: + 382 20 441 255 <a href="mailto:batric.nikovic@zicg.me">e-mail: batric.nikovic@zicg.me</a> <a href="http://www.zicg.me">www.zicg.me</a>
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### 5.5. Services provided by operator

Services provided by Railway transportation of Montenegro (ŽPCG) are:

- Maneuvering,
- technical inspection of trains for passenger transport,
- the preparation and issuance of the supporting documents for the train and
- cleaning, washing and water supply of passenger cars.

Further information can be found on addresses:

Railway transportation of Montenegro JSC – Podgorica	International Transportation Department	Local Transportation Department
Trg Golootočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 100 Fax: + 382 20 633 957 e-mail: <a href="mailto:nenad.babic@zpcg.me">nenad.babic@zpcg.me</a> web: <a href="http://www.zcg-prevoz.me">www.zcg-prevoz.me</a>	Trg Golootočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 370 Fax: + 382 20 441 234 e-mail: <a href="mailto:rajka.marinovic@zpcg.me">rajka.marinovic@zpcg.me</a> <a href="http://www.zcg-prevoz.me">www.zcg-prevoz.me</a>	Trg Golootočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 105 Fax: + 382 20 441 106 e-mail: <a href="mailto:ilinka.pavicevic@zpcg.me">ilinka.pavicevic@zpcg.me</a> <a href="http://www.zcg-prevoz.me">www.zcg-prevoz.me</a>

Services provided by AD Montecargo Podgorica are:

- maneuvering:
  - formation and disformation of trains,
  - coupling and uncoupling of locomotives and wagons,
  - change of train composition,
  - maneuvering when weighing a car
  - maneuvering – delivery of the cars on loading and unloading tracks and industrial tracks of users

The maneuvering service includes operation of maneuvering locomotives and personnel, as well as the operation of the maneuvering unit, in stations where maneuvering from AD Montecargo as an operator is organized.

- technical inspection of trains (in stations is organised technical-car activity),
- preparation and issuance of supporting documents for train (in stations Bijelo Polje, Podgorica, Bar and Nikšić),
- weighing of cars (in stations Bijelo Polje, Podgorica, Bar and Nikšić),

Further information can be found on address:

AD MONTECARGO – Podgorica	Transportation department
Trg Golootočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 303 Fax: + 382 20 601 525 e-mail: <a href="mailto:jd@montecargo.me">jd@montecargo.me</a> web: <a href="http://www.montecargo.me">www.montecargo.me</a>	Trg Golootočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 441 206 Fax: + 382 20 441 191 e-mail: <a href="mailto:dusanka.d@montecargo.me">dusanka.d@montecargo.me</a> <a href="http://www.montecargo.me">www.montecargo.me</a>

### 5.6. Maintenance services

Maintenance service is performed by AD Održavanje željezničkih voznih sredstva – Podgorica (OZVS) /JSC.maintenance of railway rolling stock - Podgorica /. Services provided by OZVS are:

- Service reviews, KP (reviews from P0 to P12), minor and major repairs as per owners`requests for:

- electric traction of vehicle
- diesel traction of vehicle
- electric train
- passenger coaches:
- freight wagons

- Treatment of the wheels on underfloor lathe (without unbinding axle assembly - Rafamet CNC UGE 150N) and lathe with unbinding,
- Diagnosis of axles and wheels of the rolling stock,(ultrasonic testing, residual stress testing, magnetoflux testing),
- Brake diagnostics (recording brake diagram),
- Laboratory testing of oil and lubricants and
- Adjustment of axle pressures of rolling stock

Further information can be found on address:

<b>JSC „Rolling stock maintenance “ – Podgorica</b>
Trg Golootočkih žrtava 13 CG - 81 000 Podgorica Tel: + 382 20 634 227 Fax: + 382 20 634 224 e-mail: <a href="mailto:svetozar.davidovic@ozvs.me">svetozar.davidovic@ozvs.me</a> <a href="mailto:kabinet@ozvs.me">kabinet@ozvs.me</a> <a href="http://web:www.ozvs.me">web:www.ozvs.me</a>

## 6. CHARGE

According to the Law on railways, Article 42., ŽICG on the basis of criteria, determines the fee level for the service provision.

In order to carry out transportation on the railway infrastructure, carrier pays fee for::

- Minimum access package,
- Railroad access to service facilities and their use,
- Additional services and
- Ancillary services.

### 6.1. Method of charging

The methodology of charging for mentioned services is performed as it follows.

#### 6.1.1. Minimum access package

The fee level is determined on the basis of:

- realized train kilometers,
- weighting coefficient for line category ,
- track wearing coefficient and
- factor expressing carrier`s requirements.

by means of the following formulae:

$$U = (Q_{vkm}(mg) \times P(mg) + Q_{vkm}(ms) \times P(ms) + Q_{vkm}(r) \times P(r)) \times C_{vkm} \times K \times F \times F_{np}$$

Where:

U	compensation for assigned transportation path
$Q_{vkm}(mg)$	number of train kilometers for international main railway line
$Q_{vkm}(ms)$	number of train kilometers for international adjacent railway line
$Q_{vkm}(r)$	number of train kilometers for regional railway line
$P(mg)$	weighting coefficient for international main railway line
$P(ms)$	weighting coefficient for international adjacent railway line
$P(r)$	weighting coefficient for regional railway line
$C_{vkm}$	price for train kilometers
K	track wearing coefficient
F	factor expressing carrier`s requirements regarding Timetable
$F(np)$	factor of influence of special consignment to the price of train path on which special consignment is transported

#### ➤ Weighting coefficient ( P )

It is determined on the basis of categorization of railway line in allocated capacity.

Categorization of railway lines:

Railroad	Category of line
Bar – Bjelo Polje (border with Serbia)	international main
Podgorica - Tuzi (border with Albania)	international adjacent
Nikšić - Podgorica	regional

Weighting coefficient is:

Railroad	Coefficient
$P_{(mg)}$ – international main line	1.00
$P_{(ms)}$ – international adjacent	0.70
$P_{(r)}$ – regional	0.80

### > Track wear coefficient ( )

- for freight trains

Track wear coefficient for freight trains is determined to gross weight of train.

Track wear coefficient is:

Train	Coefficient
<b>K 1</b> – train of gross weight more than 1501 t	1.50
<b>K 2</b> – train of gross weight from 1101 t to 1500 t	1.20
<b>K 3</b> – train of gross weight from 701 t to 1100 t	1.00
<b>K 4</b> – train of gross weight from 700 t	0.60
<b>K 5</b> – empty freight train	0.30
<b>K 6</b> – train of locomotives	0.10

- for passenger trains

Track wear coefficient is:

Train	Coefficient
<b>K 7</b> – passenger train	0.050

### ➤ **Factor for railway transporter`s request related to timetable ( )**

This factor is related to the time of rail carrier`s submission of request for infrastructure capacity allocation.

If a request for allocation of railway capacity is sent by rail carrier before the entry into force of the Timetable, its value is:

$$F_1 = 1,0$$

If the capacity is allocated on the basis of Ad Hoc request, the value of factor is:

$$F_2 = 1,2$$

### ➤ **Factor of influence of special consignment to the price of train path on which special consignment is transported ( $F_{np}$ )**

For special consignments  $F_{np}$  is calculated in a way given in Appendix 18.

For regular shipments the value  $F_{np}$  is 1 (one).

In the cases where parcel is special specifically, as  $F_{np}$  will be used the highest value.

### ➤ **The length of train path ( $Q_{vkm}$ )**

The number of train kilometers achieved in the use of the path is obtained by summing kilometer of path on each line.

### ➤ **Price per train kilometer ( $C_{vkm}$ )**

Basic price per train kilometer ( $C_{vkm}$ ) for the service of using the minimum access package for Timetable 2020./2021 is **3€ including VAT for all types of trains**

Price for maneuvering service in official places where there is no room for maneuver of personnel is included in the minimum access package. These services ŽICG provides only in exceptional cases .

### **6.1.2. Track access to service facilities and their use**

The price of the minimum access package includes access to service facilities and the use of service facilities under Section 5.2. The Network Statement, except for the service of track use for side tracking.

➤ **Side tracking**

Using tracks for side tracking implies the use of appropriate track capacities that are required for side tracking of rolling stock to railway carriers.

Request for the use of track for side tracking should contain:

- Type of rolling stock (passenger cars, freight cars, locomotives and the like),
- The required track length in meters and
- Official place.

The fee for the use of tracks for side tracking is calculated by the following formula:

$$C = (n_{voz} \cdot l_{voz}) \cdot C_g \cdot t$$

Where:

- C** - The fee for the use of tracks for side tracking,
- $n_{voz}$**  - the number of vehicle,
- $l_{voz}$**  - vehicle length in meters,
- $C_g$**  - the basic price for the use of track for side tracking per length meter per hour,
- t** - number of hours for the use of tracks for side tracking.

Side tracking of wagons is not considered as waiting of car for loading / unloading less than 24 hours.

Side tracking of rake of coaches/cars for transport of passengers (classical and EMV) is not considered to be standing of rake of coaches/cars in departure or arrival stations for less than 4 hours.

As the length of each vehicle, it is taken the average length of certain types of vehicles as follows:

Type of vehicles	Average length (m)
freight cars	15
passenger cars	25
electro-diesel locomotive	18
electromotive vehicle (EMV)	75

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Basic price for the use of track for track siding per length meter per hour is €0.001785 + VAT.

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Exceptionally, when the vehicles stand on

a) the main sidings in stations Bijelo Polje, Podgorica, Bar, Nikšić i Tuzi more than 24 hours without interruption, using of track is charged € 0.003 + VAT per length meter of track per hour, for all the time the vehicle is standing.

b) any track of passing station, interstation and passing points( except for manipulating track), using of track is charged € 0.003 + VAT per length meter of track per hour, for every started hour.

If rail carrier make side tracking without request, fee for use of track for side tracking shall be charged double amount the basic price per length meter per hour.

The fee level for the use of tracks for side tracking managed by ŽICG shall be defined on the bases of the costs of maintaining of these facilities.

Fees for the use of tracks for side tracking shall be applied in a non-discriminatory way to all railway carriers.

List of tracks per stations on which will be used charge of side tracking of cars/sets on which there will not be made charge is given in Appendix 19.

### **6.1.3. Additional services**

List of additional services can be found in section 5.3. of the Network Statement. Volume and height for additional services provided by ŽICG will be defined in the Treaty on the use of railway infrastructure.

Value  $F_{np}$  for calculation of special consignments can be found in Appendix 18. of the Network Statement.

### **6.1.4. Ancillary services**

The list of ancillary services provided by ŽICG can be found in Section 5.4. 5 of the Network Statement. Volume of services and height of payment will be defined in the Treaty on the use of railway infrastructure

## **6.2. Revocation of train path or planned drive**

Rail carrier can cancel train path or planned drive .

### **6.2.1. Revocation of train path**

Revocation of train path is the final cancellation of movement for entire agreed period of Timetable. By revocation of train path , the rail carrier will lose the right to continue using this

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transport route within the agreed period of Timetable..

In the following table are given terms and conditions of revocation of train path and payment of fees for non usage.

No.	Condition	Payment of usage charge
1.	Revocation at least 60 days prior to the first planned drive	Fee is not paid for path use
2.	Revocation from 30 to 60 days prior to the first planned drive	50% fee for usage of each train path
3.	Revocation up to 30 days prior to the first planned drive	1 x fee for usage of each train path
4.	Train path is not being cancelled, but it is not used	2 x fee for usage of each train path

### 6.2.2. Cancellation of train path

Cancellation of train path includes cancellation of one train path for the particular day or several days. Rail carrier reserves the right to continue to use the transportation route within the agreed period of Timetable.

In the following table are given terms and conditions of train cancellation and payment of fees for non usage.

No	Condition	Payment of usage charge
1.	Cancellation more than 24 hours before the planned drive	50% fee for usage of each train path
2.	Cancellation less than 24 hours before the planned drive	1 x fee for usage of each train path
3.	Train path is not being cancelled, and train is not in operation	2 x fee for usage of each train path

Agreement on the use of infrastructure will define the application of fees for revocation and cancellation of the planned drive.

### 6.3. Train path change

Train path change includes basic information change on the existing train path at the request of rail carrier, and as a result it is required the development of a new train path and changes in timetable.

Changes are charged 40 Euros per train path.

### 6.4. Price change

ŽICG reserves the right to change the prices published in the Network Statement. ŽICG will announce new prices in the amendment to the Network Statement and shall immediately notify

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the train operators.

### **6.5. System of indicators of transport quality (train delays)**

ŽICG monitors the movements of passenger trains, notes the causes of delays and compensation for train delay for rail carrier with which the Agreement on the use of railway infrastructure is made.

The delay of trains is monitored in relation to the causes of delays and as such are classified as primary and secondary delays.

**Primary delays** are all train delays that are caused by a disorder or disturbance that led to the delay, and did not have cause delay or cancellation of the second train.

**Secondary delays** are delays caused by an existing earlier delays.

Summary of primary and secondary causes of train delays can be found in Appendix 20. The Network Statement.

Responsibility for the causes of delays may be of:

- Infrastructure Manager,
- rail carrier,
- external factors.

The delay of trains is monitored so as to monitor deviations from the actual driving time compared to driving times of trains in planned Timetable .

The fee is charged for all primary delays (except for external influence ) of trains by the minute of delay of each train.

Compensation for delay is 0.1% charge for the entire route of the train for each minute of delay. The total amount of compensation for delay of each train can be up to 5% of the fee for the entire route of the train for each responsible party.

Compensation for delay of passenger train up to 10 minutes or for delay of freight train less than 30 minutes, regardless cause will not be calculated .

Train delays that are caused by extraordinary events, in which, without investigation procedure, cannot accurately determine the responsibility for the delay of the train are calculated later.

Delays caused by external factors are delays caused by Force Majeure, or delays that are caused by third parties.

Delays caused by external factors stem from circumstances that are not affected by infrastructure managers nor the carrier.

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### **6.6. Exceptions in tariffs**

The public railway infrastructure customers which maintain it or make modernization, when in the realization of works, use working trains, additional trains, railroad motor vehicles, machinery, blowers and fire protection trains are exempted from the payment for its use.

### **6.7. Method of payment**

After expiry of calculation period, ŽICG will calculate fees for access to infrastructure till 10th of every month for the previous month and the bill will be submitted to the address of the carrier.

The carrier is obliged to make payment till 15th from the day of account receipt

The exception is an account for the calculation of electricity of high voltage for train traction. The terms of payment of this account shall be defined in the Agreement on the use of railway infrastructure with rail carrier.

If the rail carrier does not pay duties within the prescribed period, ŽICG will charge default interest for each day of delay in accordance with applicable law.

Rail carrier is required to pay in full all of its obligations received before the contract conclusion for the forthcoming period.

### **6.8. Payment insurance**

Instruments for insurance of collection of receivables of ŽICG from the applicant or rail carrier are:

- bonds,
- deposits.

The Applicant or the rail carrier is obliged to submit Instruments for insurance of collection of receivables to ŽICG on the date of signing of the Contract on the use of railway infrastructure.

Collaterals must be issued in an amount of 25% of the appraised value of the signed contract, provided that the applicants or rail carriers are obliged to issue new instruments if ŽICG previously received already used for the collection of overdue receivables, so that is a guarantee for the payment of outstanding obligations for the entire duration of the contract insured in an amount of 25% of the estimated contractual value.

# **Annexes**

# NETWORK STATEMENT 2021.

## Annex 1a.

**Transport management and regulation department**

**Podgorica, Trg Golotočkih žrtava 13**

**tel. + 382 20 441 268, fax. + 382 20 441 148**

**Application form for assignment of train path**

**Railway transporter:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Contact person:** \_\_\_\_\_

**Tel:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **e-mail:** \_\_\_\_\_

**Place and date:**

<b>1. BASIC INFORMATION ON REQUESTED TRAIN PATH</b>							
Train type	Number of train in the former Timetable	Desirable time		Relation			
		departure	arrival	from	to	over	
REMARKS							
<b>2. INFORMATION RELATED TO TIMETABLE</b>							
Halting in official places	Halting time in official places(min)	Rail service calendar					
<b>3. TRAIN INFORMATION</b>							
Traction type, serial number of traction unit, relation	Additional traction vehicles, serial number of traction unit, train function, relation	Type and number of wagon/motor set	Train mass (kg)	Train length (m)	Braking		Maximum train speed (km/h)
					Type	Percentage (%)	
<b>4. PARTICULAR PROVISION</b>							

**M.P.                      SIGNATURE**

\_\_\_\_\_

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### Annex 1b.

Application form for train path Instruction on how to fill out the form		
1.	Train type	Specify train type: Passenger train (EuroCity, InterCity, express, fast, accelerated, passenger, frontier, suburban, car-sleeper train, travel-agent's train, empty rake of coaches); Freight train (train with kindred cargo, train with individual wagons, train from combined transport, express train, fast train, direct train, section train, full train load, feeder train, circuit-working train, industrial train, military train, empty, train of locomotives, test train).
	Number of train in the former Timetable	Specify number of train from the former timetable with elements appropriate to submitter's application (e.g. 47660, 432, ...)
	Desirable time	Specify desirable time of train departure from departure station and arrival to destination station
	Relation	Specify departure and destination station of train drive and specific official place between related stations determined by train route.
2.	Stopping in official places	Specify all official places required for halting of train.
	Halting time at official places	Specify required time of stopping in each official place rated by minutes.
	Rail service calendar	Specify days of train running. In trains with calendar running within more days specify for all running route.
3.	Traction type, serial number of traction unit, relation	Specify traction type (electric or diesel), serial number of traction unit and relation of running of each locomotive if on required relation is changed traction type
	Additional traction vehicles, serial number of traction unit, train function, relation	Specify number of additional traction vehicles, traction unit type (electric or diesel), serial number, train post (train blocked, banking locomotive), relation of additional traction unit
	Type and number of wagon/motor set	Specify wagon type (letter mark of series of wagon) and how many are there in train or type, number and serial number of motor set (DMV; E MV)
	Train mass	Specify mass of all vehicles put into train without mass of working locomotives.
	Train length	Specify train length in meters without length of working locomotives.
	Braking	Braking type: specify braking type (R, P, G, Mg ...) Braking percentage: specify braking percentage which could be considered with regard to characteristics of vehicle in train
	Maximum train speed	Specify maximum train speed with regard to characteristics of vehicle in train.
4.	Particular provisions	Specify particular provisions such as: shunting, change of train composition, connections and waiting, change of staff, type of intermodal transport unit, type of dangerous good, extraordinary consignment, takeover procedure at border crossings, technical wait on (inspection, water supply, junk warehousing and similar) and required period of time, need for additional track capacities (side tracking, preheating, setting up of train and similar), other needs for additional services

## Annex 1c. European regulations, laws, by-laws, regulations and decisions of ŽICG

### 1. European regulations

- Directive 2012/34/EU of the European Parliament and of the Council of 21 November 2012. concerning establishment single European railway area,
- Directive 2008/57/EC of the European Parliament and of the Council of 17. June 2008. on interoperability of railway system in the Community,
- Directive 2007/59/EC of the European Parliament and of the Council of 23. October 2007. on certification of drivers of locomotives and trains in the railway system of Community,
- Directive 2001/14/EC of the European Parliament and of the Council of 26 February 2001 on the allocation of railway infrastructure capacity and the charging of fees for the use of railway infrastructure and safety certificate,
- Directive 2001/16/EC of the European Parliament and of the Council of 19 March 2001, on the interoperability of the conventional rail system
- Directive 2004/49/EC of the European Parliament and of the Council of 29 April 2004, on safety on the railways of Community and amended Council Directive 95/18/EC on the licensing of railway companies
- Directive 2004/49/EC of the Council of 29 April 2004, on safety on the railways of Community and amended Council Directive 95/18/EC on the licensing of railway companies and Directive 2001/14/EC on the allocation of railway infrastructure capacity and the charging of fees for the use of railway infrastructure and safety certificate,
- Directive 95/18/EC of the European Parliament and of the Council of 19 June, 1995, on the licensing of railway companies
- Directive 96/35/EC of the European Parliament of 3 June 1996 on the appointment and qualifications safety advisors in the transport of dangerous goods by road, rail and inland waterway transport,
- Council Directive 91/440/ECC of 29 July, 1991, concerning the development of the railways of EU
- Decision of the European Parliament ( EC ) of 19 June, 1995. on the development of rail and combined transport.
- Decision of the European Parliament and Council Decision No. 96/1692 of 23 July 1996 on the EU guidelines for the development of Trans- European transport network
- Decision of the Council of Europe ( EEC ) of 22 January 1990 on the establishment of common rules for certain types of combined transport of goods between Member States

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- Commission Decision of 23 December 2005 concerning the technical specification of interoperability subsystem "rolling stock - noise" trans-European conventional rail system
- Commission Decision of 10 February 2011 on amending Decision 2007/756 / EC on the adoption of common specification of the national vehicle register,
- Rulebook for international railway transport of dangerous goods – RID 2019
- Regulation of the Council of Europe ( EEC) No. 1108/70 of 04 June in 1970, introducing cost accounting system to the infrastructure in relation to rail , road and inland waterway transport,
- Regulation of the Council of Europe ( EEC) No 1191/69 of 26 June 1969, on the activities of the Member States relating to the obligations of public transport such as railway , road and inland waterway transport,
- Regulation of the Council of Europe ( EEC) No. 1192/69 of 26 June 1969, on common rules for the normalization of the accounts of railway companies

### **2. Laws**

- Railway Act ("Official Gazette of Montenegro", No. 27/13),
- Law on safety, organization and efficiency of railway transport ("Official Gazette", No. 1/14),
- Law on Environmental Protection ("Official Gazette of Montenegro", No 48/08),
- Law on Explosive Substances (Official Gazette of Montenegro 049/08-59.058/08-8),
- Arms Law ("Official Gazette of RoMNE" No. 49/04, "Official Gazette of Montenegro", No. 49/08,
- Law on Ratification of the Protocol of 3 June, 1999 on the modification of the Convention on International Railway Transportation (COTIF) of 9 May 1980. (the Protocol of 1999), and the Convention on International transport by Rail (COTIF) of 9 May, 1980. in the version on the basis of Protocol of 3 June 1999 ("Official Gazette of Montenegro, International Treaties", No. 4/09)
- Law on Ratification of the Agreement between the Government of Montenegro and the Government of the Republic of Serbia on border control in railway transport ("Official Gazette of Montenegro – International Treaties", No. 04/09).
- Law on the Transport of Dangerous Goods (Official Gazette of Montenegro 5/08),
- Law on production and trade of poisons ("Official Gazette of Montenegro", no. 31/77; 40/77; 29/89; 39/89; 48/91; 17/92),
- Law on Ratification of the Agreement on the Establishment of high performance railway network in Southeast Europe ("Official Gazette of RoMNE", No. 44/07),
- Law on contracting relations in railway transport (‘Official Gazette of MNE‘, No. 41/10),
- Law on contractual relations in the railway transport ("Official Gazette of Montenegro", No. 045/06-25),
- Law on Inspection Control ("Official Gazette of Montenegro", No.39/03),

### **3. By-laws, regulations, instructions, decrees, protocols and decisions**

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- Rulebook on issuing licence for railway transportation (“Official Gazette of Montenegro“, No. 56/08),
- Rulebook on criteria for determination of structures of special importance for safety of railway transport (“Official Gazette of Montenegro“, No. 61/11),
- Rulebook on attendance of railway workers to traction vehicle (“Official Gazette of MNE“, No. 15/13),
- Rulebook on procedure for thermal processing of switch parts and ends of rails for insulated assemblies (“Official Gazette of Montenegro“, No. 33/13),
- Rulebook of the maintenance of the substructure of railway lines (“Official Gazette of Montenegro“, No. 29/14)
- Rulebook on the brakes of rail vehicles (“Off. Gazette of Montenegro” No. 9/15)
- Rulebook on the closer content of the safety management system of infrastructure managers and railway carriers (“Off. Gazette of Montenegro”, No. 14/15)
- Rulebook on approvals for vehicle type, use of vehicle and type of vehicle (“Official Gazette of Montenegro“, No. 19/15),
- Rulebook on method of issuing certificates of safety in railway transport (“Off. Gazette of Montenegro“, No. 27/15).
- Rulebook on issuing safety certificates to railway infrastructure management, infrastructure industrial railway and infrastructure port railway (“Official Gazette of Montenegro”, No. 27/15),
- Rulebook on the closer content of annual reports on the safety of rail traffic and common safety indicators (“Off. Gazette of Montenegro”, no. 29/15)
- Rulebook on the types of signals, signs and symbols on the railway line (“Official Gazette of Montenegro”, No. 31/15),
- Rulebook on the intersection of the railway line and the public road (“Off. Gazette of Montenegro“, No. 53/15)
- Rulebook on detailed conditions for issuing license for railway infrastructure management (“Off. Gazette of Montenegro“, No. 08/16),
- Rulebook of the maintenance of the superstructure of railway lines (“Official Gazette of Montenegro“, No. 42/16),
- Rulebook on conditions for certification of persons in charge of maintenance of freight railway cars (“Off. Gazette of Montenegro“, No. 44/16)
- Rulebook on the method of preparation, content and the publishing timetable of trains (“Off. Gazette of Montenegro“, no. 62/16)
- Rulebook on maintenance of signaling and security devices (“Off. Gazette of Montenegro“, No. 79/16),
- Rulebook on technical conditions for signaling and security devices (“Off. Gazette of Montenegro“, No. 13/17),
- Rulebook on measures for safe traffic operations and safety of employees who perform works on the railway line (“Off. Gazette Montenegro“, No. 39/17),
- Rulebook on internal order in railway traffic (“Official Gazette of Montenegro“, No. 50/17),
- Rulebook on Technical Conditions for Electric Power Plants (“Official Gazette of Montenegro“, No. 57/17),
- Rulebook on the manner of keeping a register of railway infrastructure (“Official Gazette of Montenegro“, No. 60/17),

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- Rulebook on the content of the annual program for maintaining the industrial railway track and the conditions for employees on the maintenance of this railway ("Official Gazette of Montenegro.", No. 76/17),
- Rulebook on detailed conditions, method of installation and use of fire extinguishers in trains ("Official Gazette of Montenegro", No. 12/18),
- Rulebook on detailed conditions that needs to be met by a workshop for the maintenance of railway vehicles in terms of equipment, personnel and space ("Official Gazette of Montenegro", No. 18/18),
- Rulebook on the manner of performing and providing technical inspection of trains and vehicles in domestic and international rail traffic ("Official Gazette of Montenegro", No. 39/18),
- Rulebook on Technical Specifications for the Interoperability of the Railway System / Infrastructure ("Official Gazette of Montenegro", No. 46/18),
- Rulebook on the technical specification of the interoperability of the control and signaling subsystem (Official Gazette of Montenegro 73/18),
- Rulebook on the manner of data collection and preparation of reports on extraordinary events ("Official Gazette of Montenegro", No. 83/18),
- Rulebook on the method of keeping records of railway undertakings and the manager of railway infrastructure (Official Gazette of Montenegro 78/18),
- Rulebook on the detailed content of the components of the railway infrastructure ("Official Gazette of Montenegro", No. 15/19),
- Rulebook on the method of braking of trains ("Official Gazette of Montenegro", No. 15/19),
- Rulebook on the common security method for assessing compliance with the requirements for obtaining a safety certificate ("Official Gazette of Montenegro", No. 60/19),
- Rulebook on the manner of maintenance of railway vehicles ("Official Gazette of Montenegro", No. 63/19),
- Rulebook on specific health conditions to be met by railway employees who are directly involved in the performance of the railway transport, 655,
- Rulebook on the transport of special consignments 20 ("ZJŽ Official Gazette of Montenegro", No. 27/94),
- Rulebook on the qualifications of workers directly involved in the performance of the railway transport 646,
- Rulebook on establishing operations where workers are directly involved in the performance of the railway transport 645,
- Transport Rulebook 2 ("ZJŽ Official Gazette", No. 3/94),
- Transport instruction 40 (ZJŽ of 01.01.1981.),
- Instruction for maneuver 42 (ZJŽ 01.01.1981.),
- Instruction on the provision of traffic during the winter 333 (ZJŽ 15.01.2004.),
- Instruction on procedures in case of an emergency (ŽICG No. 9319 dated 27.09.2019., ŽPCG No. 8205 dated 27.09.2019., Montecargo No. 7163 dated 30.09.2019.),
- Instructions for handling inductive automatic train stop devices I 60 425.
- Instruction on technical standards and data for the preparation of the Timetable 52 (ZJŽ 28.05.1989.),
- Instructions for proving the presence of alcohol in the body of workers during the work 670,
- Instructions for car examiner 253(ZJŽ 1990.),
- Regulation on the categorization and the classification and labeling of railway lines,

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- Decision on the price list for special consignment No. 4910/2 dated 24.06.2014
- Protocol on the organization and regulation of rail traffic in the zone between the joint border station Tuzi and the border station Bajze between "Railway Infrastructure of Montenegro JSC. Podgorica" and "Albanian Railways / HSH / - Infrastructure Unit" (No. ŽICG 4728, No. HSH 541 dated 06.21.2016).

Annex 2. Review of railway network in Montenegro



Annex 3. Stations and other official places on railway network



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### Annex 4. Distance between official places and the maximum allowed speed on line

Name of station / section	km position	Section length	Interstation distance	Maximum allowed speed
		(m)	(m)	(km/h)
1	2	3	4	5
<b>State border - Bijelo Polje - Bar</b>				
<b>State border</b>	287+438,70		<b>9.498,80</b>	
State border – Bijelo Polje		9.498,80		80
<b>Bijelo Polje</b>	296+937,50			80
Bijelo Polje - Lješnica		2.930,50	<b>24.401,21</b>	80
Lješnica	299+868			80
Lješnica - Kruševo		4.369,00		80
Kruševo	304+237			80
Kruševo - Ravna Rijeka		4.093,00		80
Ravna Rijeka	308+330			80
Ravna Rijeka - Slijepač Most		2.140,00		80
Slijepač Most	310+470			80
Slijepač Most - Mijatovo Kolo		3.163,53		80
Mijatovo Kolo	313+633,53			80
Mijatovo Kolo - Žari		2.966,47		80
Žari	316+600			80
Žari - Mojkovac		4.738,71		80
<b>Mojkovac</b>	321+338,71			80
Mojkovac - Štitarička Rijeka		3.077,29	<b>19.311,26</b>	80
Štitarička Rijeka	324+416			80
Štitarička Rijeka - Trebaljevo		6.699,46		80
Trebaljevo	331+115,46			80
Trebaljevo - Oblutak		3.684,54		80
Oblutak	334+800			80
Oblutak - Kolašin		5.849,97		80
<b>Kolašin</b>	340+649,97			80
Kolašin - Padež		3.190,03	<b>18.145,28</b>	80
Padež	343+840			80
Padež - Mateševo		3.310,00		80
Mateševo	347+150			80
Mateševo - Kos		4.317,75		80
Kos	351+467,75			80
Kos - Selište		2.542,25		80
Selište	354+010			80
Selište - Trebešica		4.785,25	80	
<b>Trebešica</b>	358+795,25			80
Trebešica - Kruševački Potok		5.694,75	<b>46.347,79</b>	50
Kruševački Potok	364+490			50
Kruševački Potok - Lutovo		5.114,39		50
Lutovo	369+604,39			50

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Lutovo - Pelev Brijeg		4.301,61		50
Pelev Brijeg	373+906			50
Pelev Brijeg - Bratonožići		5.204,50		50
Bratonožići	379+110,50			50
Bratonožići - Podkrš		4.469,50		60
Podkrš	383+580			60
Podkrš - Bioče		5.991,16		60
Bioče	389+571,16			60
Bioče - Zlatica		10.884,84		60
Zlatica	400+456			60
Zlatica - Podgorica		4.687,04		60
<b>Podgorica</b>	405+143,04			70
Podgorica - Aerodrom		7.936,96	<b>10.686,46</b>	70
Aerodrom	413+080			70
Aerodrom - Golubovci		2.749,50		70
<b>Golubovci</b>	415+829,50			70
Golubovci - Morača		3.299,50	<b>18.290,50</b>	70
Morača	419+129			70
Morača - Zeta		5.279,00		70
Zeta	424+408			70
Zeta - Vranjina		3.206,00		70
Vranjina	427+614			70
Vranjina - Virpazar		6.506,00	70	
<b>Virpazar</b>	434+120			70
Virpazar - Crmnica		3.425,00	<b>12.027,80</b>	70
Crmnica	437+545			70
Crmnica - entry tunnel Sozina km 439+032 - 445+572		2.062,80		70
Entry tunnel Sozina – Sutomore km 439+032 - 445+572		6.540,00		80
<b>Sutomore</b>	446+147,8			70
Sutomore - Šušanj		5.911,20	<b>8.699,20</b>	70
Šušanj	452+059			70
Šušanj - Bar		2.788,00		70
<b>Bar</b>	454+847			70
<b>Nikšić- Podgorica<sup>1</sup></b>				
<b>Nikšić</b>	0+293			75
Nikšić - Stubica		8.719,00	<b>34.132,50</b>	75
Stubica	9+012			75
Stubica - Dabovići		5.428,26		75
Dabovići	14+440,26			75
Dabovići - Ostrog		2.873,82		75
Ostrog	17+314,08			75
Ostrog - Šobajići		3.720,92		75
Šobajići	21+035			75

<sup>1</sup> On the railway line Nikšić - Podgorica, due to illegal level crossings, the maximum permitted speed was determined by the Decision of the Ministry of Transport and Maritime Affairs No. 03-1559 / 2 of 31.02.2014. and shall be valid until revocation

## NETWORK STATEMENT 2021.

Šobajčići - Šumanovića Bare		2.299,24		75
Šumanovića Bare	23+334,24			75
Šumanovića Bare - Slap		2.283,35		75
Slap	25+617,59			75
Slap - Danilovgrad		8.807,91		75
<b>Danilovgrad</b>	34+425,50			75
Danilovgrad - Ljutotuk		3.850,80	<b>22.082,74</b>	60

Ljutotuk	38+276,30			60
Ljutotuk - Spuž		5.468,70		60
Spuž	43+745			60
Spuž - Pričelje		3.199,67		60
Pričelje	46+944,867			60
Pričelje - Podgorica		9.563,56		60
<b>Podgorica</b>	56+508,434			60
<b>Podgorica -Tuzi – State border</b>				
<b>Podgorica</b>	0+000			70
Podgorica - Tuzi		13.683,00	<b>13.683,00</b>	70
<b>Tuzi</b>	13+683			70
Tuzi – State border		11.057,59	<b>11.057,59</b>	70
<b>State border</b>	24+740,59			70

**Annex 5. The maximum allowed train length**

Official places	Vehicular direction A → B (direction as per name of line)		Vehicular direction B → A (direction opposite name of line)	
	Maximum allowed train length	The longest train acceptance tracks	Maximum allowed train length	The longest train acceptance tracks
	[ m ]		[ m ]	
1	2	3	4	5
<b>DG - Bijelo Polje - Bar</b>				
Bijelo Polje	694	3. 4. and 5.	694	3. 4. and 5.
Kruševo	657	2. and 3.	669	2. and 3.
Mijatovo Kolo	553	2. and 3.	556	2. and 3.
Mojkovac	505	2. 3. and 4.	506	2. , 3. and 4.
Trebaljevo	573	1.and 2.	572	1.and 2.
Kolašin	601	3. and 4.	601	3. and 4.
Kos	592	2. and 3.	594	2. and 3.
Trebešica	578	3. and 4.	577	3. and 4.
Lutovo	532	2. and 3.	532	2. and 3.
Bratonožići	508	2. and 3.	509	2. and 3.
Bioče	510	1.and 2.	507	1.and 2.
Podgorica	665	4. 5. 6. 7.and 8.	635	3. 4. 5. 6. 7.and 8.
Golubovci	589	2. 3. and 4.	598	2. 3. and 4.
Zeta	595	2. and 3.	594	2. and 3.
Virpazar	698	2. 3. and 4.	687	2. 3. and 4.
Sutomore	569	2. i 3.	590	2. and 3.
Bar	700	1. 2. and 3.	700	1. 2. and 3.
<b>Nikšić - Podgorica</b>				
Nikšić	610	2.	467	2.
Ostrog ( STO )	532	3.	532	3.
Danilovgrad	537	1.2.3.	537	1.2.3.
Spuž	620	3.	620	3.

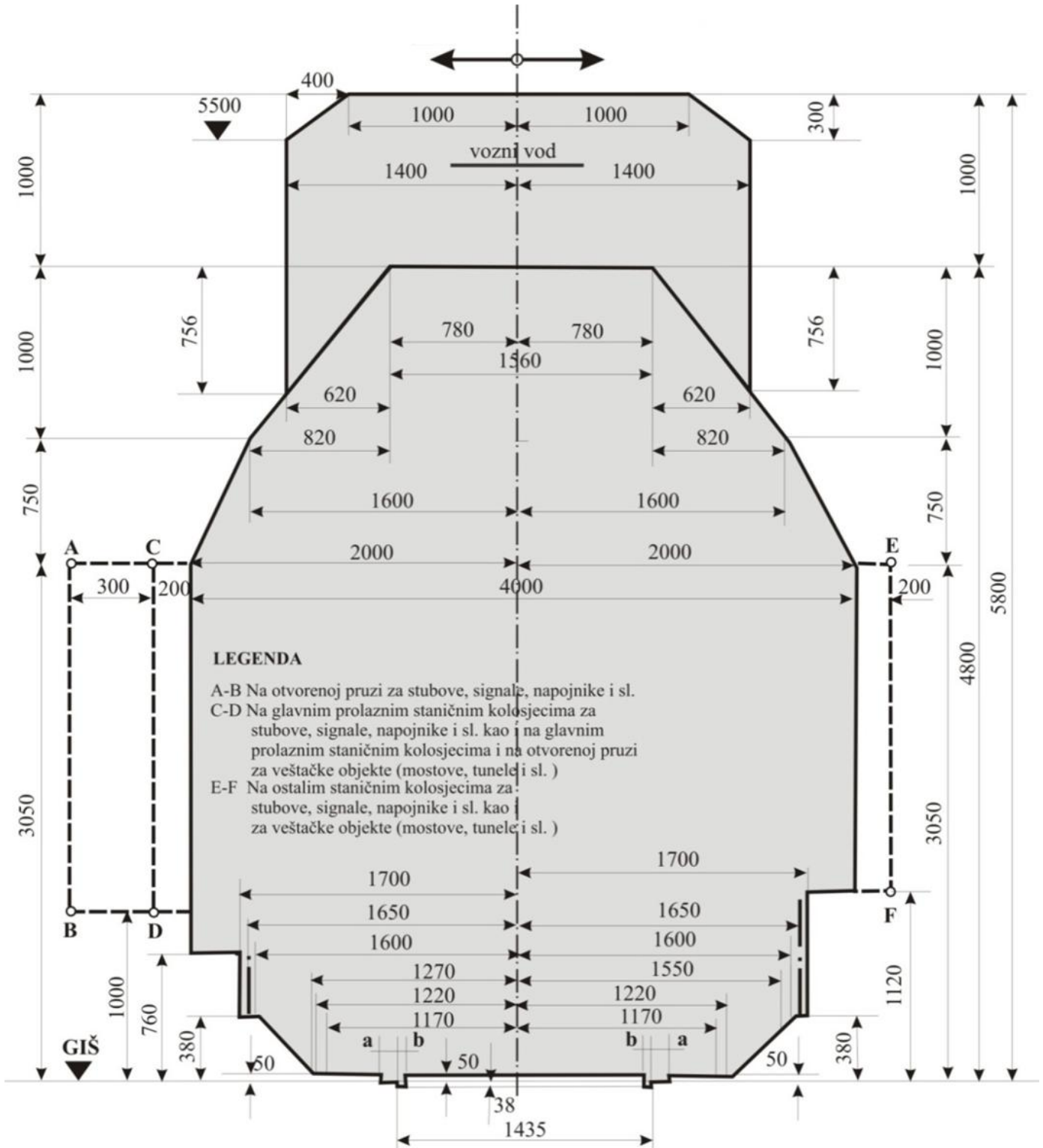
## NETWORK STATEMENT 2021.

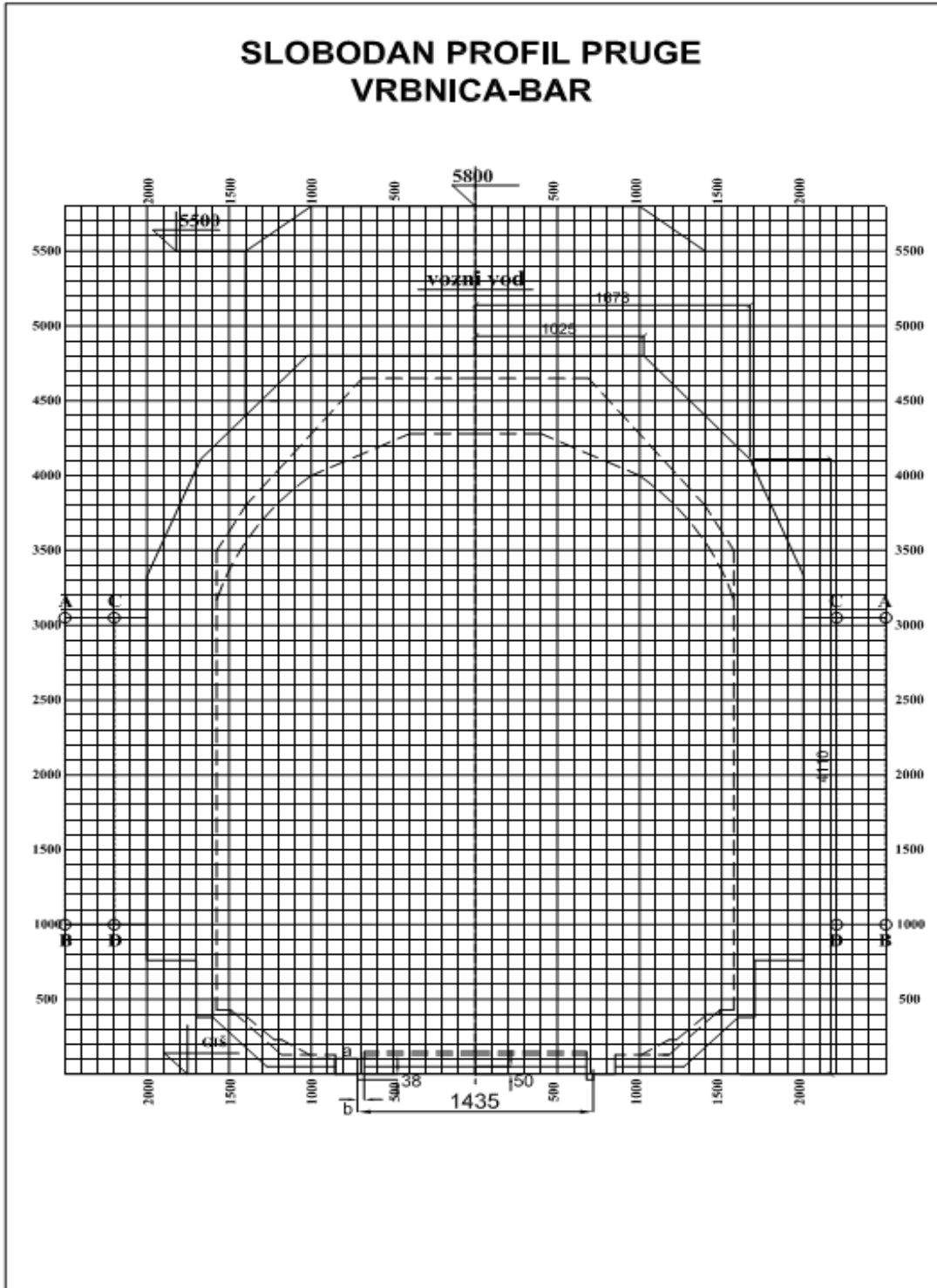
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Podgorica	628	4. 5. 6. 7.and 8.	632	3. 4. 5. 6. 7. and 8.
<b>Podgorica Tuzi - DG</b>				
Podgorica	665	4. 5. 6. 7.and 8.	635	3. 4. 5. 6. 7. and 8.
Tuzi	641	3.	642	3.

# NETWORK STATEMENT 2021.

## Annex 6. Gauge GB





# NETWORK STATEMENT 2021.

## Prilog 7. The paramount gradients and line resistances

Route section	Vehicular distance A → B			Vehicular distance B → A		
	Paramount gradient		Paramount line resistance [ daN/t ]	Paramount gradient		Paramount line resistance [ daN/t ]
	Incline [%]	Decline [%]		Incline [%]	Decline [%]	
1	2	3	4	5	6	7
<b>1. State border - Bijelo Polje - Bar</b>						
State border – Bijelo Polje	8	5	8	5	8	5
Bijelo Polje - Kruševo	18	6	19	6	18	7
Kruševo - Mijatovo Kolo	18	0	19	0	18	0
Mijatovo Kolo - Mojkovac	16	10	19	10	16	12
Mojkovac - Trebaljevo	18	0	19	0	18	0
Trebaljevo - Kolašin	17	2	18	2	17	3
Kolašin - Kos	2	17	3	17	2	20
Kos - Trebešica	0	24	0	24	0	26
Trebešica - Lutovo	0	24	0	24	0	26
Lutovo - Bratonožići	0	24	0	24	0	26
Bratonožići - Bioče	0	24	0	24	0	25
Bioče - Podgorica	2	25	4	25	2	25
Podgorica - Golubovci	0	6	0	6	0	6
Golubovci - Morača	0	1	0	1	0	1
Morača - Zeta	0	1	0	1	0	2
Zeta - Vranjina	0	1	0	1	0	1
Vranjina - Virpazar	1	2	2	2	1	3
Virpazar - Crmnica	8	0	8	0	8	0
Crmnica - Sutomore	4	3	5	3	4	4
Sutomore - Bar	0	8	0	8	0	8
<b>2. Nikšić - Podgorica</b>						
Nikšić – Ostrog	0	3	0	3	0	3
Ostrog - Danilovgrad	1	25	2	25	1	26
Danilovgrad - Spuž	8	7	8	7	8	7
Spuž - Podgorica	7	6	8	6	7	7
<b>3. Podgorica – Tuzi – State border</b>						
Podgorica – Tuzi	6	7	6	7	6	8
Tuzi – State border	6	7	7	7	6	7

Annex 8. Electrification system



## NETWORK STATEMENT 2021.

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### Annex 9. List of railroads eligible for management of hauled stock in owner administration

Railway line	Remark
Podgorica – Bijelo Polje – state border with Serbia and vice versa	Motive power of freight train must have driver and assistant to driver
Podgorica – Nikšić and vice versa	On the section of line Nikšić – Danilovgrad and vice versa Motive power of freight train must have driver and assistant to driver
Bar – Podgorica and vice versa	
Podgorica – state border with Albania (Bajze) and vice versa	

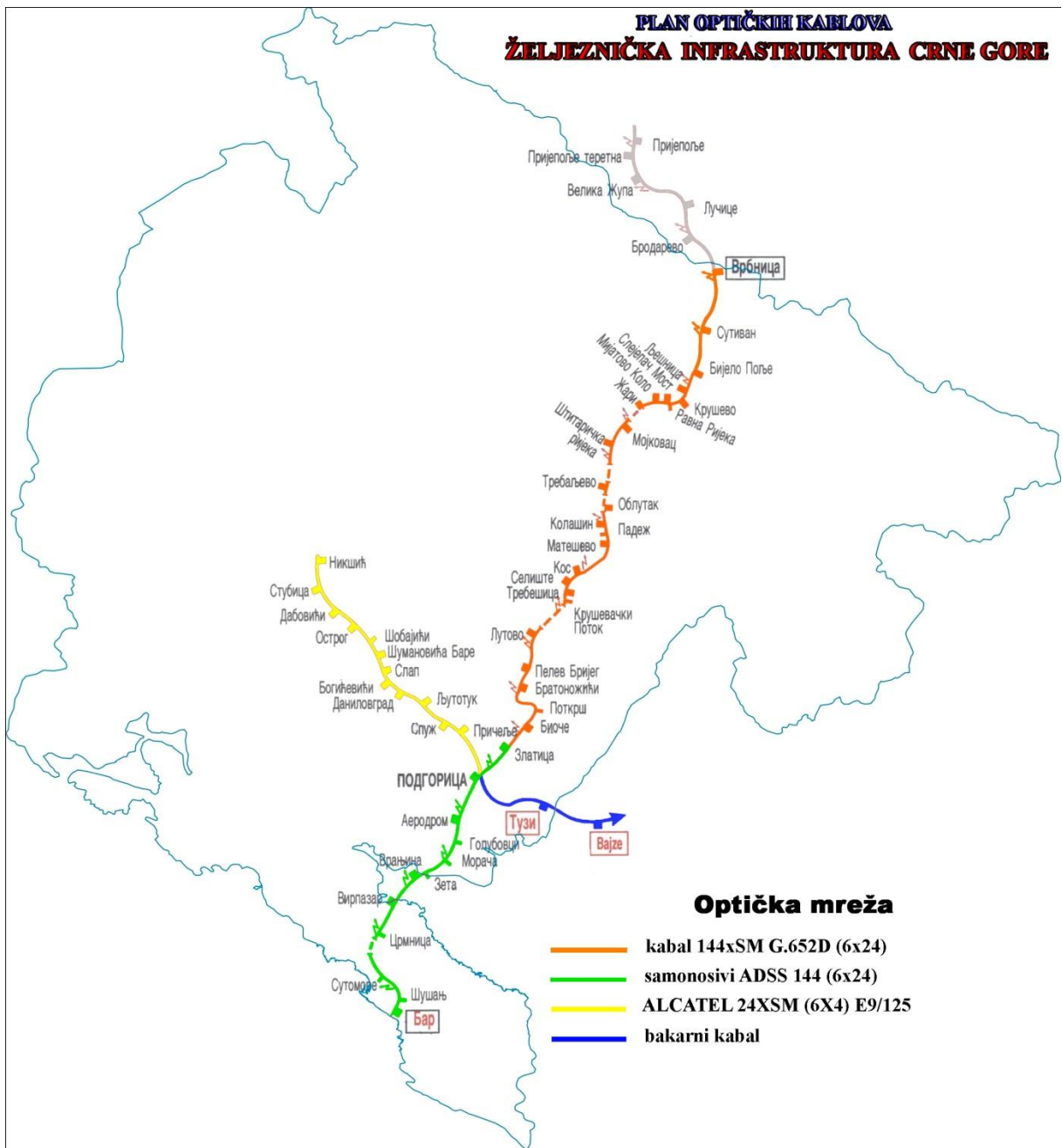
### Annex 10. List of railroads eligible for management in owner administration

Motive power type	Vehicle type	Series of vehicle
Electrical	Locomotives	441, 461
	multiple - unit set	412/416, CAF CIVITY Other EMV adapted to owner administration
Diesel	locomotives	642, 643, 644 <sup>2</sup> , 661 <sup>3</sup> and 744

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<sup>2, 3</sup> Only if the train is pulled by shorter end forward

Annex 11. Types and routes of optical cables



**Annex 12. Review of Auto-stop devices along the railway line**

<b>Railway line</b>	<b>km position of initial balises and signal marks</b>	<b>km position of initial balises and signal marks</b>
Bijelo Polje –Bar	km 295+215 Pau -92	km 453+071 PFu-2
Bar – Bijelo Polje	km 455+430 FO -1	km 299+065 PAu-91
Podgorica – Tuzi	km405+289 Ao -6	km 12+000 PPu-92
Nikšić –Podgorica	km 1+348 Fu-91	km 54+8 Pnu -94
Podgorica – Nikšić	km 45+408 PFu-91	km 1+349 Au-91
Tuzi – Podgorica	km 15+120 PFu-91	km 406+037 Au-93

# NETWORK STATEMENT 2021.

## Annex 13. Review of official places for acceptance and dispatching of passengers

Official place	Status	Supervision station
1	2	3
<b>Bijelo Polje - Bar</b>		
Aerodrom	stop	
Bar	station	
Bijelo Polje	station	
Bioče	Passing point	Podgorica
Bratonožići	Passing point	Trebešica
Crmnica	stajalište	
Golubovci	station	
Kolašin	station	
Kos	Passing point	Kolašin
Kruševački Potok	stop	
Kruševo	Passing point	Bijelo Polje
Lutovo	Passing point	Trebešica
Lješnica	stop	
Mateševo	stajalište	
Mijatovo Kolo	Passing point	Bijelo Polje
Mojkovac	station	
Morača	stop	
Oblutak	stop	
Padež	stop	
Pelev Brijeg	stop	
Podgorica	station	
Podkrš	stop	
Ravna Rijeka	stop	
Selište	stop	
Slijepač Most	stop	
Sutivan	stop	
Sutomore	station	
Štitarička Rijeka	stop	
Šušanj	stop	
Trebaljevo	Passing point	Mojkovac
Trebešica	station	
Virpazar	station	
Vranjina	stop	
Zeta	Passing point	Virpazar
Zlatica	stop	
Žari	stop	
<b>Nikšić - Podgorica</b>		
Nikšić	station	
Stubica	stop	
Dabovići	stop	
Ostrog	Passing point	Nikšić
Šobajčići	stop	
Šumanovića bare	stop	
Slap	stop	
Danilovgrad	station	
Ljutotuk	stop	
Spuz	Passing point	
Pričelje	stop	
Podgorica	station	

## NETWORK STATEMENT 2021.

### Annex 14. Review of freight car scales and measurer of loading gauge

<b>Railway line</b>	<b>Station</b>	<b>Carrying capacity of scale</b>	<b>Length of scale (m)</b>	<b>Measurer of loading gauge</b>
Bar – Bijelo Polje	Bar	80 t	12 m	Exist
Bar – Bijelo Polje	Bar – I rayon	100 t	20 m	
Bar – Bijelo Polje	Bar – II rayon	100 t	20 m	
Bar – Bijelo Polje	Bar – III rayon	100 t	20 m	Exist
Bar – Bijelo Polje	Podgorica	80 t	12 m	Exist
Bar – Bijelo Polje	Bijelo Polje	100 t	20 m	Exist
Nikšić – Podgorica	Nikšić	100 t	20 m	Exist
Podgorica - Tuzi	Tuzi	Do not exist	Do not exist	Exist

## NETWORK STATEMENT 2021.

### Annex 15. Review of freight platforms for loading and unloading

Official place	Type of platform	Location/track	Dimensions (length/width/height)	Material
Bar	side-loading platform	Ia handling	65/16,35/1,1	concrete
Sutomore	side-loading platform	I storage	16/9,55/1,1	concrete
Virpazar	side-loading platform	I track	20/12/1,1	concrete
Golubovci	side-loading platform	I track	15,30/9,6/1,1	concrete
Podgorica	side-loading platform	18 storage track	151/15,20/1,1	stone
Mojkovac	side-loading platform	I track	80/15/1,1	concrete
Kolašin	side-loading platform	I track	42/9/1,1	concrete
Bijelo Polje	side-loading platform		37/20/1,3	concrete
Tuzi	side-loading platform	I track	40/15,2/1,1	concrete
Nikšić	side-loading platform	I storage track	27,7/9,5/1,1	concrete
	end-loading platform	15 tracks	27,7/9,5/1,1	concrete

## NETWORK STATEMENT 2021.

### Annex 16. Planned works for reconstruction and rehabilitation of the railway infrastructure

#### 1) Railway line Belgrade- Bar

No	Project title	Completion period	Planned commencement	Planned line closure	Planned completion
1.	<b>Rehabilitation of 5 pre-stressed concrete bridges (first priority group)</b> 1. Bridge 40 (km 332+327,76) 2. Bridge 42 (km 332+748,66) 3. Bridge 47( km 338+952,47) 4. Bridge 52 (km 344+143,98) 5. Bridge 53 (km 345+767,98)	20 months	IV quarter of 2018	5 <sup>h</sup> + TOTAL CLOSURE OF TRAFFIC DURING AUGUST 2020.	III quarter of 2020
2.	<b>Rehabilitation of 6 concrete bridges – II priority group(works +supervision)</b> 1. Bridge 7 (km 299+348,19) 2. Bridge 13 (km 303+463,39) 3. Bridge 19 (km 309+518,82) 4. Bridge 33 (km 326+263,10) 5. Bridge 51 (km 343+915,23) 6. Bridge 102 (km 438+163,50)	20 months	I quarter of 2020	4.5h  NIGHT AND DAILY TRAFFIC INTERVALS	IV quarter of 2021
3.	<b>Rehabilitation of 13 bridges – III priority group (works + supervision)</b> 1. Bridge 9 (km 299+968,19) 2. Bridge 28 (km 323+076,82) 3. Bridge 31 (km 324+983,98) 4. Bridge 34 (km 326+449,50) 5. Bridge 38 (km 330+649,90) 6. Bridge 41 (km 332+539,76) 7. Bridge 48 (km 339+832,47) 8. Bridge 70 (km 366+293,45) 9. Bridge 71 (km 366+955,45) 10. Bridge 76 (km 369+146,07) 11. Bridge 83 (km 376+648,50) 12. Bridge 101 (km 436+130,00) 13. Bridge 105 (km 447+435,25)	24 months	I quarter of 2020	4.5h  NIGHT AND DAILY TRAFFIC INTERVALS	I quarter of 2022

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4.	<b>Rehabilitation of 10 priority tunnels</b> <b>1. Tunnel No. 150</b> (km 300+025,92 – km 300+507,44) <b>2. Tunnel No. 153</b> (km 309+626,32 – km 310+101,32) <b>3. Tunnel No. 155</b> (km 311+769,53 – km 312+166,53) <b>4. Tunnel No. 168</b> (km 328+905,98 – km 329+398,74) <b>5. Tunnel No. 210</b> (km 368+683,07 – km 368+868,07) <b>6. Tunnel No. 211</b> (km 368+898,07 – km 369+100,87) <b>7. Tunnel No. 215</b> (km 370+545,80 – km 371+218,80) <b>8. Tunnel No. 218</b> (km 372+197,10 – km 372+506,10) <b>9. Tunnel No. 242</b> (km 391+441,41 – km 391+793,41) <b>10. Tunnel No. 247</b> (km 395+115,53 – km 395+381,53)	18 months	III quarter of 2020	4-5 <sup>h</sup>	I quarter of 2022
5.	<b>Rehabilitation of unstable slopes in Trebješica</b> (km357+700-km 358+795)	12 months	III quarter of 2020	4-5 <sup>h</sup>	I quarter of 2022

### 1) Raqilway line Nikšić – Podgorica

No	Project title	Planned commencement	Planned line closure	Planned completion	
1.	<b>Rehabilitation works of priority slopes</b> <b>1. Slope No. 1</b> (km 18+770,00 do km 18+965,00) <b>2. Slope No. 2</b> (km 20+580,00 do km 20+795,00) <b>3. Slope No. 3</b> (km 21+995,00 do km 22+130,00) <b>4. Slope No. 4</b> (km 27+755,00 do km 27+880,00) <b>5. Slope No. 5</b> (km 29+975,00 do km 30+035,00)	12 months	I quarter of 2020	5 <sup>h</sup>	I quarter of 2021

## NETWORK STATEMENT 2021.

### Annex 17. Time-limit for designing of annual Timetable 2020./2021.

Phase	Body	Deadline
Planning of the basic international train path	IM	13.01.2020
A regular deadline for submission of an application for the allocation of the route for the annual Timetable	RU	15.12.2019. - 14.04.2020.
Creating a draft Timetable	IM/RU	15.04.2020.- 12.07.2020.
Issuance of the draft of Timetable	IM	13.07.2020.
Comments on the draft Timetable	RU	14.07.2020. – 14.08.2020.
Compliance procedure	IM/RU	15.08.2020. – 31.08.2020.
Defining the Timetable according to the requests received at regular intervals	IM	01.09.2020.
Submission of applications for route allocation after the regular deadline	RU	15.04.2020. – 19.10.2020.
Defining the Timetable according to the requests received after the regular deadline	IM	09.11.2020.
Deadline for accepting the final bid for allocated capacities		13.11.2020.
Timetable effectiveness	IM	13.12.2020.

## NETWORK STATEMENT 2021.

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### Annex 17a. . Timelimit for changes and amendments of annual Timetable 2020./20221.

<b>Date of submission of request for changes and amendments of annual Timetable</b>	<b>Date of application of changes and amendments of annual timetable</b>	<b>Time-limit for allocation capacity</b>
14.12.2020.	01.02.2021.	20 days prior to changes and amendments
08.02.2021.	05.04.2021.	
12.04.2021.	13.06.2021.	
12.07.2021.	06.09.2021.	
09.08.2021.	04.10.2021.	

## NETWORK STATEMENT 2021.

### Annex 18. Value of factor for special consignments ( $F_{np}$ )

For special consignments  $F_{np}$  is calculated as it follows:

Services	$F_{np}$
Consent of the other RUs	1,1
Allowable maximum speed train $V_{max} = 60\text{km/h}$	1,2
Starting and stopping the train must not be suddenly, and driving staff must be informed about it in the "General Order"	1,2
Attendant of the consignment should be alert to personal safety when crossing the electrified railway line and hand them a statement given in annex I of the Ordinance 20 with proof of signature	1,2
On tracks with the platforms to drive 20 km / h, the platforms without passengers, goods and materials	1,2
When controlling measures, responsible worker of services for maintaining the railway line (railroad foreman, officer for the substructure)	1,3
Transport in regular freight trains	1,3
Rail vehicles operating on its own wheels if they do not have a sign RIV or RIC, as well as vehicles that are not included in the rolling stock of ŽICG (new cars, hauled locomotive and self-propelled and private cars)	1,3
Goods which load units are connected in bundles (which can be deflected), for example: a round concrete steel and similar goods that exceeds the length of more than 36 m	1,3
Shipments which length exceeding bogie car more than 6.5 m. In this case, the buffer wagons are added under the provisions of point 7.3. Annex II RIV (Volume 1)	1,3
Prohibited the transport near loading ramp, near eaves and below the loading control profiles	1,5
At stations, it must not be occupied adjoining rail tracks, at least 15 m from shunting limit signal	1,5
Obliged grounding of the special consignment on electrified lines under the provisions of Regulations 20 (Annex II)	1,5
Throughout all stations, pass only on the main tracks	1,5
Driving through the switch in the turn at a speed of $V_{max} = 20\text{ km / h}$	1,5
Transport of shipment is necessarily accompanied by an employee of technical academic profession in his section, he immediately checks the state of the shipment and, if necessary, he determines by himself an light drive in sharp curves, or via switches in turn position	1,5
Consignment which dimensions are within the limits of the load profile of track, but do not meet the prescribed distance between loads (vehicle) and load profile of lines, determined by provision of Volumes 1 of Schedule II of the Rules RIV (Annex III of this Regulation)	1,5
Cars with more than 8 axles when loaded, even if they have a sign RIV	1,5
Items that cannot be transported to the terminal stations without reloading, if individually weighing more than 25 tons, or loaded into a car with low floor	1,5
Consignments on electrified lines cannot meet the required security clearances between the furthest parts of its mass and parts of catenary under voltage	1,5

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Load of rails, iron, steel, or similar things unconnected (non-deflected) length of over 36 m of loaded on two or more cars without trunnions (Regulations on loading the car, Volume 1, Appendix II of the Rules RIV)	1,5
Shipments loaded onto two or more cars with trunnions that are not connected by clutches to the screw or by assisting cars, for example: <ul style="list-style-type: none"> <li>– rigid clutch,</li> <li>– assisting car that are connected by stiff clutch with loaded car and both from one side , and from the other side</li> <li>– By means of load of suitable shape fixed to the trunnions so that it can transfer towing forces and repulsive forces</li> </ul>	1,5

For other special consignments shall be concluded special agreements between ŽICG and operators, according to the criteria of the Ordinance 20 on the carriage of special shipments.

### Annex 19. Review of tracks intended for side tracking of cars/sets

Station	Tracks on which is made charging for side tracking	Tracks on which is not made charging for side tracking
Bijelo Polje	1, 2, 3, 4, 5 and 6	7
Podgorica	1, 2, 3, 4, 5, 6, 7 and 8	9, 10, 11 and 12
Bar	1, 2, 3, 4, 5, 6, 7, 8 and 9	10, 11, 12, 13 and 14
Nikšić	1, 2, 3, 4, 5, 6 and 7	10 and 12
Tuzi	1, 2, 3 and 4	5

## NETWORK STATEMENT 2021.

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### Annex 20. Review of primary causes of train delays

<b>Primary causes of delay of the infrastructure manager (ŽICG)</b>	
<b>No.</b>	<b>Title</b>
1.	Waiting for approval
2.	Waiting in input signal
3.	Dispatch order
4.	The delay caused by the fault of the employee that is employed in Infrastructure Manager
5.	Reducing speed on-demand of Infrastructure Managers
6.	Sending an order for train driver
7.	Failure in the station SS device
8.	Line closure by Infrastructure Manager
9.	Defect on level crossing
10.	Defect on the Overhead Contact Line
11.	Defect on the telecommunication equipment
12.	Prolonged halt of rail vehicles
13.	Light drive
14.	Unplanned closure of railway line
15.	Rupture of rail
16.	Track distortion
17.	Technical irregularity of switches
18.	Collision, overtaking and derailment of rolling stock
19.	Failure of SS and TK equipment
20.	The extension provided for line closure(over 30 minutes)
21.	Avoided collision, overtaking and derailment of rolling stock

## Annex 20. Review of primary causes of delay of rail carrier

<b>Primary causes of delay of trains (railway transporter)</b>	
<b>No.</b>	<b>Title</b>
1.	Increased frequency of passengers
2.	Waiting for the train personnel of carrier
3.	Waiting for a locomotive or motor rake of coaches
4.	The delay caused by the fault of the employee in rail carrier
5.	Cleaning of the wagon at the request of the railway transporter
6.	Malfunction of wagon
7.	Repair of wagon without dispatching
8.	Malfunctioning of heating equipment
9.	Changes in composition at the request of rail carrier
10.	The intervention of law enforcement officers at the request of train crew
11.	Waiting for shunting locomotive
12.	Malfunction of traction vehicle / rake of coaches
13.	Change of staff in rail transporter
14.	Passing failure of locomotive / rake of coaches
15.	Waiting for the formation of trains
16.	Weighing
17.	Transport of special consignment
18.	Stopping to cool the brake shoes
19.	Breakdown of motive power unit
20.	Break-down of wagon in train
21.	Interruption of aerial conductor of brake system
22.	The passage of the train next to signal that signals prohibition of further drive
23.	Not allowed passing of train through official place on which it has to stop

## NETWORK STATEMENT 2021.

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### Annex 20. Review of primary causes of train delays

<b>Primary causes of delays (external impacts)</b>	
<b>No.</b>	<b>Title</b>
1.	State needs
2.	The train received in delay from other Railway Administration
3.	Denied reception of train from the other Railway Administration
4.	Waiting for the train crew of the other Railway Administration
5.	Train improperly composed by other Railway Administration
6.	Discomposition of defective wagons of other Railway Administration
7.	Discomposition of missend wagons of other Railway Administration
8.	Delay of employee of other Railway Administration
9.	Slippage or landslide
10.	Flood or torrent
11.	Snowdrift, snow-slip and avalanches
12.	Thick fog and rain
13.	Fire in the area of railway line
14.	Dropping out of the train
15.	Hopping or jumping out of a train
16.	Restraint of train by representatives of the Ministry of internal affairs
17.	Restraint of train by customs inspection bodies
18.	Abuse of auxiliary brakes
19.	Intervention of ambulance
20.	Breakage of device on level crossing
21.	Train stoning
22.	Alienate of equipment or devices owned by infrastructure

**Annex 20. Review of secondary causes of train delays**

<b>Secondary causes of train delays</b>	
<b>No.</b>	<b>Title</b>
<b>1.</b>	Wait for crossing
<b>2.</b>	Waiting due to overtaking
<b>3.</b>	Waiting to check out
<b>4.</b>	Waiting connection of the train in delay
<b>5.</b>	Prolonged retention in the station due to waiting for the regular passage
<b>6.</b>	Waiting for locomotives or rake of coaches from turn -round
<b>7.</b>	Waiting for a train connection or at the request of the carrier
<b>8.</b>	Waiting for the train personnel carriers from turn-round
<b>9.</b>	The delay caused by the failure of the traction vehicle of other train
<b>10.</b>	Connection of train (passenger or gross) by other railway administration
<b>11.</b>	Misuse of the emergency brake on the second train
<b>12.</b>	The extraordinary event of the second train

**Annex 20. The review of the causes of train delays caused by extraordinary events, which are in the process of investigation.**

<b>The causes of train delays caused by extraordinary events, which are in the process of investigation</b>	
<b>No.</b>	<b>Title</b>
1.	Collision
2.	Overtaking
3.	Derailment
4.	Fire and explosion
5.	Derailment and overtaking during maneuver
6.	On level crossing is secured traffic by SS devices
7.	On level crossing is secured traffic by road traffic signs
8.	Extraordinary event on an open line
9.	Extraordinary event in an official site
10.	Environmental incident
11.	Other serious accidents
12.	Breaking-loose of a train
13.	Breakdown of overhead contact line
14.	Avoidance of collision
15.	Avoidance of overtaking
16.	Switch section
17.	Avoided extraordinary event on an open line
18.	Avoided extraordinary event in an official site
19.	Avoided derailment
20.	Other accidents avoided