INFRASTRUCTURE OF SERBIAN RAILWAYS JSC

N E T W O R K S T A T E M E N T

2022

Adopted by the Shareholders of „Infrastructure of Serbian Railways “ JSC

No: 5/2021-333-135 dated February 8th, 2021

Effective as of Decembre 12, 2021

Applicable to 2021/2022 Timetable

На основу члана 20. став 6. Закона о железници („Службени гласник РС”, број 41/18) и члана 43. став 2. Закона о Влади („Службени гласник РС”, бр. 55/05, 71/05 – исправка, 101/07, 65/08, 16/11, 68/12 – УС, 72/12, 7/14 – УС, 44/14 и 30/18 – др. закон),

Влада доноси

Р Е Ш Е Њ Е
О ДАВАЊУ САГЛАСНОСТИ НА ВИСИНУ ЦЕНЕ ПРИСТУПА И ЦЕНЕ ПРИСТУПА ДЕЛУ ЈАВНЕ ЖЕЛЕЗНИЧКЕ ИНФРАСТРУКТУРЕ КОЈИ ПОВЕЗУЈЕ СА УСЛУЖНИМ ОБЈЕКТИМА

I

Даје се сагласност на Одлуку о висини цена приступа и цена приступа делу јавне железничке инфраструктуре који повезује са услужним објектима, коју је донела Скупштина Акционарског друштва за управљање јавном железничком инфраструктуром „Инфраструктура железнице Србије”, Београд, на седници од 27. августа 2019. године.

II

Ово решење објавити у „Службеном гласнику Републике Србије”.

05 Број: 338-10276/2019
У Београду, 17. октобра 2019. године

В Л А Д А

Тачност преписа оверава
ГЕНЕРАЛНИ СЕКРЕТАР

Новак Недић

ПРЕДСЕДНИК

Ана Брнабић, с.р.

Amendments, corrections and interpretations

No	Subject	Determined by the act no.	Valid as of

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TERMS AND ABRIVATIONS

Terms:

Public railway infrastructure	means the entire railway infrastructure which constitutes the network being managed by infrastructure manager, including railway lines and secondary tracks (industrial railway line and industry tracks) being connected to the network;
Infrastructure Manager	is a public enterprise or company responsible for construction, exploitation, maintenance and rehabilitation of railway infrastructure on network, as well as for participation in its development within general policy of development and financing of instrastructure;
Railway Undertaking	is a public enterprise or other legal entity, registered for the main activity of provision of freight/passengers transport services and to whom the license was issued, with an obligation to provide train traction or that only provide train traction; Railway undertaking is also an public enterprise or other legal entity that provide railway transport for its own purposes and to whom the license for transport for its own purposes was issued;
Transport License	is a document by which a relevant licensing authority confirms the capacity of public enterprise or other legal entity that is registered for provision of the activity of public transport of goods and/or passengers to provide railway transport services as a railway undertaking, which can be limited to the provision of certain types of services or the provision of railway transport for own purposes;
Applicant	means a railway undertaking or an international grouping of railway undertakings, or other natural persons or legal entities, such as competent authorities, consignors, forwarding agents or combined transport operators , with commercial interest of provision of public service or commercial interest for allocation of railway infrastructure capacity;
Ad hoc request	means a request for individual train paths submitted during the validity of established timetable;
Network	is network of railway lines, including connecting lines and secondary tracks, with elements of railway infrastructure, managed by the Infrastructure Manager; intended for railway transport of goods and/or passengers, as well as the transport for their own purposes, which can be performed by railway undertakings according to the principle of transparent and non-discriminatory access to the network;
Path	means the capacity of railway infrastructure necessary for transport of two trains between two places during a certain period;
Timetable	means a formal document of the public railway infrastructure manager defining the schedule of operation for passenger and freight trains as well as trains

	operating for own purposes on the public railway infrastructure of the infrastructure manager;
Infrastructure capacity	means a possible number of train paths for timetabling on particular part of railway infrastructure over a given period of time;
Congested infrastructure	means a section of railway infrastructure for which infrastructure capacity demand cannot be completely satisfied during certain time periods, even after different infrastructure capacity requests for have been coordinated;
Path allocation	means allocation of public railway infrastructure by the infrastructure manager;
Access right	means the right of a railway undertaking to use the railway infrastructure;
Coordination	means a process whereby the infrastructure manager and applicants make an adjustment of individual requests for path allocation;
Safety Certificate	means an evidence that railway undertaking has established safety management system and that he has met all requirements set out in technical specifications of interoperability, national safety regulations and other relevant regulations in order to control risks and safe railway traffic operations on network;
Competent institution, Relevant authority (body)	means an authority entitled to adopt various decisions relating to particular fields;
Relevant Railway Authority	means a body authorised to act regarding administrative issues in the railway sector of the Republic of Serbia (Directorate for Railways or the Ministry of Construction, Transportation and Infrastructure, as the case may be).
Service facilitiy Operator	is entity responsible for managing one or more service facilitites for providing one or more services to railway undertakings (basic, additional and/or accompanying), including managing of railway infrastructure which forms part of service facility.
Information about service facility	is a document containg detialed information necessary for access to a service facility and services (basic, additional and accompanying) with reference to performance of railway transport provided by operator in that service facility.

The abbreviations used in the Network Statement have the following meanings:

ATC	Automatic Train Control
AGC	European Agreement on Main International Railway Lines
AGTC	European Agreement on Important International Combined Transport Lines and Related Installations
EU	European Union
FTE	Forum train Europe
IM	Infrastructure Manager
MCTI	Ministry of Construction, Transportation and Infrastructure of the Republic of Serbia
MF	Ministry of Finance of the Republic of Serbia
NS	Network statement
DG	Dangerous goods
OSS	One stop shop
RID (2017)	Regulations concerning the international carriage of dangerous goods by rail
RNE	RailNetEurope (European Infrastructure Managers Association)
UIC	International Union of Railways
DR	Directorate for Railways – Regulatory Body in the Republic of Serbia
IZS	"Infrastructure of Serbian Railways" JSC
EMU	Electric multiple-unit set
DMU	Diesel multiple-unit set
TOR	Top of rail
RS LTDG	Law on Transport of Dangerous Goods ("Official Gazette of the RS" no. 106/2016, 83/2018, 95/2018 (other law), 10/2019 (other law))

1. GENERAL INFORMATION

1.1 Introduction

“Infrastructure of Serbian Railways” JSC (hereinafter IZS) is a joint stock company for the management of public railway infrastructure (hereinafter: railway infrastructure), founded by the Republic of Serbia.

Railway infrastructure is a good intended for use by the general public, owned by the Republic of Serbia that can be used by railway undertakings, on equal terms, in accordance with the Law on Railways.

Management of railway infrastructure is an activity of general interest.

Railway infrastructure includes permanent way and substructure, tunnels, bridges and other track structures, station tracks, level crossings including devices for securing of level crossings; safety, signaling and telecommunication installations on open lines, in stations and marshalling yards, including the plants for generating, transforming and distribution of electric energy for signaling and telecommunications; buildings for such installations or plants; track brakes; plants for transformation and transmission of electric energy for train traction: 110 kV two-phase transmission lines, sub-stations except for 110 kV distribution switchgear in this substation, supply cables between substations and contact wire, catenary and girders, third rail with beams, lightning installation for traffic and safety needs, service points’ buildings and other facilities on trackside land used for regulation of railway traffic including the portion of the equipment for calculation and charging of transport charges and buildings for railway infrastructure maintenance, accesses for passenger and goods, comprising road access and access to passengers for arrival and departure of pedestrians, track-side land and the airspace above the track, 12 m high, i.e. 14m high at over 220kV overhead power lines, measured from top of rail.

The Network Statement is a document that contains all information in accordance with the Law on Railways of the Republic of Serbia (“Official Gazette of the RS” No. 41/18), and the Rules on Content and Form of Network Statement (“Official Gazette of the RS” No. 97/2013).

The document is compliant to all the norms set forth under the guidelines provided by the association RailNetEurope (hereinafter RNE) and shall be used as informative material for the interested railway undertakings. Moreover, the Network Statement has been harmonized with relevant EU Directives.

Network Statement provides general information on railway network, terms and conditions for access to railway infrastructure, principles and criteria for allocation of capacities, principles for charge calculation and their amounts, procedures for dispute resolution and other important details for usage of services provided to railway undertakings.

Background Information on Infrastructure Manager

Joint stock company for public railway infrastructure management „Infrastructure of Serbian Railways“, Belgrade (hereinafter: Company) founded with the Decision on founding of Joint stock company for public railway infrastructure management („Official Gazette of the RS“, no.60/15 and 73/15) and registered in the registry of Serbian Business Registers Agency, under the number BD 69692/2015 from August 10, 2015.

The founder of the Company is the Republic of Serbia, as the sole stakeholder of the Company, of behalf of which the founder’s right is enforced by the Government of the Republic of Serbia, Belgrade, Nemanjina 11 company number 07020171. The Company is under the jurisdiction of the Ministry of construction, transport and infrastructure.

Business company name: Joint stock company for public railway infrastructure management „Infrastructure of Serbian Railways“, Belgrade

Short Company’s name: „Infrastructure of Serbian Railways“ JSC

Company Headquarters is in Belgrade, and the address of company's headquarters is 6 Nemanjina, Belgrade.

The main activity of company is „Service activities in land transport", activity code is 5221

Company Reg. No is 21127094, TIN 109108420.

Company Business Accounts are 205-222959-26 and 160-438771-53.

The main activity of the Company include: Service activities in land transport. The activity includes the management of public railway infrastructure in part of maintenance of public railway infrastructure, organization and control of railway traffic, the provision of access and use of public railway infrastructure to all interested railway undertakings, as well as to legal entities and natural persons performing transport for their own purposes, and protection of public railway infrastructure. The company performs activities on general interest in accordance with the law. The company also can perform the other activities in accordance with the law. The company performs activities and services in internal and foreign trade in accordance with the law.

Responsible persons:
Acting General Manager
PhD Nebojša Šurlan
Tel.: +381 11 3618 330

kabinet.infrastruktura@srbrail.rs

Organisational Chart of Infrastructure Manager

Organizational chart for Joint Stock Company for public railway infrastructure management „Infrastructure of Serbian Railway ", Belgrade is based on Rulebook on organization and systematization of operations of Joint stock company for public railway infrastructure management „Infrastructure of Serbian Railways", Belgrade.

Joint stock company for public railway infrastructure management „Infrastructure of Serbian Railways", Belgrade, (hereinafter Company), in order to perfom activities of management of public railway infrastructure is organized according group of operations, as follow:

- organization and control of railway traffic,
- maintenance of railway infrastructure,
- investment and economic affairs,
- human resources and common affairs and
- operations related to the General Manager's Office.

Company operation are being performed through its departments, centers, and sections, technical-technological departments, stations and operational sections and other lower organizational forms.

The management of public railway infrastructure includes the maintenance of public railway infrastructure, organization and control of railway traffic, the provison and access and the use of public railway infrastructure to all interested railway undetakings, as well as legal and natural persons performing transport for their own purposes and protection of public railway infrastructure, as well as performing the function of employer on reconstruction of public railway infrastructure.

The following operations are performed in the Company- traffic, civil engineering and electrotecnical operations, development and investment operations, projects management and common affairs: finance, plan and analyses, reconstruction and cooperation with international financial institutions, accounting, public procurements and central warehouses operations, human resources management, safety and health at work, operations related to property and inventory, operations of implementation and development of information technologies, internal safety, international affairs and ethic's operations. Beside that in order to achieve business, professional and administrative functions operations which are organizationally related to the General Manager's Office are also performed.

Operations referred to in the previous paragraph, are performed within:

1. Traffic department,
2. Railway infrastructure access department,
3. Centre for auxiliary train operations,
4. Centre for infrastructure technical monitoring
5. Civil engineering department,
6. Electrical engineering department,
7. Finance department,
8. Accounting department,
9. Centre for Plan, Analysis and Restructuring
10. Procurement and central warehouses department,
11. Development department,
12. Investments department,
13. Human resources and general affairs department,
14. IT department,
15. Centre for security,
16. Real estate department,
17. Inventory department,
18. Centre for international affairs,
19. Ethic's office,
20. Company's Management Secretariat,
21. Legal department,
22. Centre for internal audit,
23. Centre for internal control
24. Centre for Security Management System
25. Media Centre

The Organization chart of „Infrastructure of Serbian Railways" JSC is set forth in Annex 1.

Contact details

"Infrastructure of Serbian Railways" JSC contact details are the following:

Acting General Manager
PhD Nebojša Šurlan
Tel.: +381 11 3618 330
kabinet.infrastruktura@srbrail.rs

Traffic Department
Nemanjina 6
11000 Belgrade
Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.sp@srbrail.rs

Railway infrastructure access department
Nemanjina 6
11000 Belgrade
Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.pzi@srbrail.rs

Civil engineering department
Nemanjina 6
11000 Belgrade

Tel.: +381 11 3618 248
Fax: +381 11 3616 874
infr.sektorzagp@srbrail.rs

Electrical engineering department
Nemanjina 6
11000 Belgrade
Tel.: +381 11 3618 241
Fax: +381 11 3618 130
etp@infrazs.rs

Centre for auxiliary train operations
Nemanjina 6
11000 Belgrade
Tel.: +381 11 3620 899
Fax: +381 11 3620 899
direktor.tkp@infrazs.rs

1.2 Objective of the Network Statement

The objective of Network Statement is provision of the basic information of unique source, which is useful for the users of services provided to railway undertakings on the railway infrastructure managed by IŽS.

Network Statement is a document which in detail stipulates general rules, deadlines, procedures and criteria related to manner of calculation of charges and allocation of infrastructure capacities, including other relevant information necessary for submitting the request for infrastructure capacity allocation.

The Network Statement will be published on the web site of "Infrastructure of Serbian Railways" JSC www.infrazs.rs and decision on its adoption will be published in the "Official Journal of ZS".

1.3 Legal Aspects

Operation of infrastructure and traffic on the network managed by "Infrastructure of Serbian Railways" JSC is regulated by:

- regulations of the Republic of Serbia,
- acts of Infrastructure Manager – "Infrastructure of Serbian Railways" JSC,
- acts and technological procedures of the railway undertakings falling within the scope indicated in the above legal regulation.

1.3.1 Legal Framework

Regulations of the Republic of Serbia

Regulations of the Republic of Serbia of particular importance to this Network Statement include the following documents:

- Law on Railways („Official Gazette of the RS", no. 41/18);
- Law on interoperability of railway system („Official Gazette of the RS", no. 41/18);
- Law on safety in railway traffic („Official Gazette of the RS", no. 41/18")
- Rules on the Content and Form of Network Statement („Official Gazette of the RS", no. 97/13);
- Law on Categorization of Railway Lines that belong to Public Railway Infrastructure („Official Gazette of the RS", No. 92/20);
- Rules on Railway Infrastructure Elements („Official Gazette of the RS", no.30/19);

- Rules on Timetable („Official Gazette of the RS“, No. 58/19, 1/20);
- Methodology for Valuation of the Elements for Determining the Level of Charge for the Use of Railway Infrastructure („Official Gazette of the RS”, no. 122/14);
- Rules on the Time Schedule for Railway Infrastructure Capacity Allocation („Official Gazette of the RS”, no. 140/14);
- Rules on the Manner of Transport and Mandatory Operational Monitoring of Dangerous Goods Carried by Rail, as well as on the Obligations of the Participants in the Transport of Dangerous Goods by Rail and Emergencies („Official Gazette of the RS”, no. 81/15);
- Rules on training programmed and method of knowledge checking of employees and of participants of dangerous goods transport in the railway transport, as well the manner in which the documentation is processed and their trading („Official Gazette of the RS”, no. 81/15);
- Law on Transport of Dangerous Goods, passed by the National Assembly of the Republic of Serbia („Official Gazette of the RS”,no. 104/2016, 83/2018, 95/2018, 10/2019),
- Rules on elements of the contract on the use of railway infrastructure („Official Gazette of the RS”, no. 8/2019);
- Rules on Special Loads Transport („Official Gazette of the RS“, no. 74/19);
- Law on the Manner of Conclusion and Content of Framework Agreements for Allocation of Railway Infrastructure Capacity („Official Gazette of the RS“ no. 74/19).

International Regulations

When using the allocated train path, the railway undertaking must abide by all legal norms contained in the sources of international law, as well as in national laws and bylaws.

Acts of the Infrastructure Manager

Internal regulations (acts) and technological procedures of relevance for the present document are listed in the Annex 2.

1.3.2 Legal Status and liability

Network Statement is based on the legal framework defined in section 1.3.1 In case of ambiguity or legal proceedings, the relevant provisions of legal regulations of the Republic of Serbia will apply.

The present Network Statement has been developed on the basis of the information available at the moment of drafting thereof. IŽS is liable for accuracy of the information given in present Network Statement. All regulations and technical documentation which become effective upon publishing this Network Statement shall apply and shall be taken into consideration on the ocassion of construing this Network Statement.

IŽS is not liable for the accuracy of data published herein, which are submitted by the service facility operators.

1.3.3 Appeals Procedure

Appeals procedure in respect of the Network Statement, and to other acts of the IM relating to the path allocation procedure and use of railway infrastructure, is regulated by the Law on Railways.

The function of the regulatory body for the railway sector is performed by the Directorate for Railways (hereinafter: Directorate) as a separate organization, which runs the railway-specific state administration affairs as determined by the Law on Railways and the law governing the railway safety and interoperability.

The scope of the Directorate for Railways has been defined in Articles 118-129 of the Law on Railways ("Official Gazette of the RS" no. 41/2018) and by the provisions of the Law on Safety of Railway Transport ("Official Gazette of the RS" no.41/2018).

Article 120 of the Law on Railways provides that the Directorate is in charge of the following:

- activities for regulation of railway services market;
- licensing of railway undertakings;
- passenger rights;
- safety in railway traffic and interoperability of railway systems;
- cableway;
- realization of international cooperation within its competence;
- performs other tasks in terms of this law and other laws regulating the area of safety in railway transport, interoperability of railway systems and cableways for transport.

The applicant for train path allocation may lodge a complaint with the Directorate for Railways against the decision by the infrastructure manager to reject his application for path allocation or against the established conditions of supply of infrastructure capacity, and when not satisfied with the train path allocation procedure and its outcome, subject to payment of the fee in the amount of administrative fees charged for the appeals to the authority.

As a regulatory body, the Directorate deliberates on the complaints lodged by applicants for train path allocation, especially taking into account possible unfair treatment or discrimination by the infrastructure manager or railway undertakings, in connection with:

(1) Network statement,

(2) the criteria set in the Network Statement,

(3) the train path allocation procedure and its outcome,

(4) the method for determining the charge for the use of train path;

(5) the level or structure of charges for the use of train path which he is or may be obliged to pay,

(6) information about facilities;

(7) the application of provisions of article 13 of the Law on Railways and particularly of access and charges

The decision of the Directorate is final and appeal against it may be lodged with the Administrative Court within 30 days of its receipt.

1.4 Structure of the Network Statement

The Network Statement has been drawn up pursuant to provisions of the general structure for network statements of the European Railway Association (RailNetEurope association), by which the most of infrastructure managers in Europe are being governed during the preparation of network statement.

General structure of Network Statement is reviewed on an annual basis and the latest version is available on the RNE's web-site. The objective of general structure is that all applicants and interested parties may find the same information at the same place in the Network Statement.

The Network Statement consists of 7 chapters that make up the basic document and a series of attachments that contain additional information.

Table No 1. Network Statement Structure

No	Chapter	Description
1.	General information	Contains general information about Network Statement and contacts
2.	Infrastructure	Contains description of the network managed by JSC "Infrastructure of Serbian Railways" (IŽS)
3.	Access conditions	Gives specification of conditions, which will be met by the railway undertaking, prior to it gains the track access
4.	Capacity allocation	Gives principles and criteria for infrastructure capacities allocation
5.	Services and charges	Gives specification of services provided by „Infrastructure of Serbian Railways" JSC and charges
6.	Operations	Contains operational rules
7.	Service facilities	Provides an overview of service facilities connected to rail network managed by IŽS

1.5 Effectiveness of and Amendments to Network Statement

1.5.1 Validity Period of Network Statement

This Network Statement shall be valid during the timetable validity period, from December 12, 2021 to December 10, 2022.

The Network Statement shall be published not later than 4 months prior to the commencement of deadline for submission of applications for path allocation and shall remain valid during the entire timetable validity period.

1.5.2 Updating Process

The Network Statement will be updated in case of change of important pieces of information published in the Network Statement. Any amendment to the Network Statement will be published separately in the "Official Gazette of Serbian Railways", whereas the updated Network Statement (amended) will be published on the "Infrastructure of Serbian Railways" JSC website.

1.5.3 Publishing, Distribution and Availability of the Network Statement

The Network Statement will be published on the "Infrastructure of Serbian Railways" JSC website (www.infrazs.rs), both in Serbian and English languages.

If so requested by a railway undertaking, "Infrastructure of Serbian Railways" JSC may provide the Network Statement or a part of it free of charge in electronic form.

1.6 Contacts

Contacts relevant for information contained in the Network Statement:

„Infrastructure of Serbian railways" JSC
Railway infrastructure access department
6 Nemanjina St.
11000 Belgrade
Serbia

Tel.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.pzi@srbrail.rs

1.7 Cooperation Between European IMs/ABs

1.7.1 Rail Fraight Corridors

Pan-European Corridor X stretching from Salzburg in Austria to Thessaloniki in Greece goes through the infrastructure network of "Infrastructure of Serbian Railways" JSC (Appendix 3.1.). On the territory of the Republic of Serbia, on the network of "Infrastructure of Serbian Railways" JSC, Corridor X includes the following railway lines from Sid to Presevo:

- Belgrade – Sid – State border,
- Belgrade – Mladenovac – Nis,
- (Belgrade) – Rakovica – Jajinci – Mala Krsna - Velika Plana,
- Nis – Presevo – State border.

The following branches connect to the primary route of the Corridor:

- Xb, (Budapest) – Novi Sad – Belgrade (the railway line (Belgrade) - Stara Pazova – Subotica), and
- Xc, Nis – Dimitrovgrad – (Sofia – Istanbul) (the railway line Nis – Dimitrovgrad – State border.

"Infrastructure of Serbian Railways" JSC in cooperation with Ministry of transport, construction and infrastructure participates in the initiative for forming and inclusion of new RFC 10 Alpine –West Balkan into the network of railway corridors in accordance with the Regulation 913/2010/EU and Law on the Manner of of cooperation in establishing and organizing international freight corridors for the competitive transport of goods and laying down rules for the selection, organization, management and indication of investment in freight corridors („Official Gazette of the RS" no. 63/19).

1.7.2 RailNetEurope

RailNetEurope association (hereinafter RNE) was established in January 2004 by virtue of an agreement between 12 Infrastructure Managers from the entire Europe, and their number is constantly rising.

Through its members, RNE is operates over 230,000 km long railway lines, including the important ferry lines, and cooperates with more than 120 railway undertakings in international traffic and with more than 300 railway undertakings that, for the time being, operate only in the domestic traffic of the members.

The main efforts are put towards enhancing the access conditions and performance of international railway transport, particularly with respect to operability. To achieve this, RNE is focused on the overall process of international transport operations. It starts with harmonization of mid-term and long-term planning of particular members, joint marketing and sales approach, appropriate planning and operation, and ends with provision of services after transport has been performed, such as monitoring, control and assessment of performed transport.

One of the first steps towards progressive harmonization was creation of a structure model for the preparation of Network Statement, applied by all RNE members.

One of the most important RNE steps was creation of an international network of One Stop Shop offices.

The list of all RNE members and further information on this association may be found at www.railneteurope.com.

„Infrastructure of Serbian Railways" JSC is a full member of the association from April 21, 2016.

One Stop Shop - OSS

Infrastructure Managers have opened national One Stop Shop (OSS) offices that jointly make up a network of contact points for the users within RNE. As regards the international path allocation applications, the users only need to contact one of these OSSs, who will initiate the entire process of international path allocation.

In close cooperation with other IMs, the contacted OSS will:

- offer support and information to undertakings on the entire range of Infrastructure Managers' products and services along the whole route;
- provide all information on the conditions for access to the infrastructure of any Infrastructure Manager within RNE;
- process the applications for international path allocation within RNE;
- make sure that all the applications for the next year's Timetable are timely taken into account during preparation of the annual Timetable;
- provide offers for railway paths on the entire route in international traffic.

In accordance with its motto "one face to the customer", OSS provides professional and efficient assistance via all border crossings, underpinned by transparent procedures based on trust and non-discrimination. The list of contacts by member countries is available at www.railneteurope.com.

"Infrastructure of Serbian Railways" JSC as a RNE member, conducts intensive activities on defining the procedures, so as to implement OSS in the near future in the railway sector of the Republic of Serbia.

RNE tools

Since 2005, RNE has taken over the full responsibility for preparation of the international timetable and the support to its activities; it operates with information systems: for the coordination of PCS (Path Coordination System), for CIS (Charging Information System) and for the TIS (Train Information System)**.**

PCS

PCS (Path CoordinationSystem) – is an international path request coordination system for path applicants i.e. railway undertakings, infrastructure managers and allocation bodies. This web-based application optimises international path coordination by ensuring that path requests and offers are harmonised by all involved parties. Input for international path requests needs to be placed only once into one system – either into the domestic application or directly into the PCS. More information on: http://pcs.RNE.eu/.

CIS

CIS (Charging InformationSystem) – is an infrastructure charging information system for railway undertakings, infrastructure managers and allocation bodies. This web-based application provides fast information on charges related to the use of the European rail infrastructure and estimates the charge for the use of international train paths within minutes. This is an umbrella application for various national rail infrastructure charging systems. More information on: http://cis.RNE.eu/.

TIS

TIS (Train Information System) – is the web-based application which manages the operation of international trains by delivering information on movements of international passenger and freight trains in real time. These data are obtainded directly from the system. More information on: http://tis.RNE.eu/.

2. INFRASTRUCTURE

2.1 Introduction

The purpose of this section is to provide the information on the railway infrastructure owned by the Republic of Serbia and managed by IZS, to provide the description and overview of the characteristics of the railway lines and appertaining facilities and equipment that can be used by all those to whom the access to and use of infrastructure have been granted in accordance with the provisions of the Law on Railways. Other information on the IZS network can be found on the website www.infrazs.rs.

Information on the railway infrastructure published in this document is based on the facts that were familiar at the time of its preparation. All changes occurring after publishing of this document will be updated on the website www.infrazs.rs.

2.2 Extent of Network

The total structural length of the standard-gauge lines on the territory of "Infrastructure of Serbian Railways" JSC network amounts 3333,4 km, out of which 3044,7 km of single-track and 288,7 km of double-track lines. Out from the mentioned length, 1744,4 km of the main tracks and 1589,0 km of other tracks. Totalling of km of 1273,7 km of open track have been electrified, together with the main through tracks (985,0 km of single-track and 288,7 km of double-track lines).

The total length of tracks on electrified open tracks and the main running tracks is 1.563 km out of which the length of electrified open tracks and running tracks 1.563 km. All above data relate to standard-gauge 1435 mm tracks. Detailed information is given in Appendix 6.

Besides that, "Infrastructure of Serbian Railways" JSC is also managing with museum-tourist railway line - "Shargan Eight" - which is 22, 5 km long and whereof track gauge is 760 mm.

2.2.1 Limits

In terms of ownership and management of the railway network, there is only one railway network in the Republic of Serbia, and this is the state-owned network, managed by IZS. Therefore, the term "border" also means a state border and represents one of the borders with the neighbouring railway networks.

The IZS railway network borders with the neighbouring railway networks are the following border stations: Subotica, Horgoš, Kikinda, Vršac, Bogojevo, Šid, Brasina, Preševo, Đeneral Janković, Vrbnica and Dimitrovgrad.

At crossing the state borders, the track gauge remains unchanged.

The type of traction is changed only at the border crossing with Bulgaria, in the station Dimitrovgrad on the railway line Nis- Dimitrovgrad- State border.

2.2.2 Connected Railway Networks

The railway network of the Republic of Serbia is connected with the railway networks of the following seven countries: Croatia, Hungary, Romania, Bulgaria, North Macedonia, Montenegro and Bosnia and Herzegovina. Traffic may be organized via ten border crossings, whils the one is under the control of UMNIK railways.

For more detailed information please refer to Table No 2. The names of neighbouring countries' stations in the table are given in its authentic form as registered in the official train timetables.

The notion joint border station marks border station in which border control is performed jointly by state authorities, as well as traffic change between railway undertakings. Joint border stations are governed by

bilateral state acts. Performing traffic change in other border stations in within decision –making domain and agreement between railway undertakings.

Table No 2. Border crossings, border railway lines and border stations

	Neighbouring country	**Border railway lines**	Border stations	Neighbouring infrastructure managers	
1	Croatia	Šid-state border -Tovarnik	Šid Tovarnik	HŽI	
		Bogojevo-state border-Erdut	Богојево Erdut	HŽI	
2	Hungary	Subotica -state border-Kelebia	Subotica Kelebia	MAV Zrt	
		Horgoš-state border-Roszke	Horgoš Roszke	MAV Zrt	
3	Romania	Vršac- state border - Stamora Moravita	Vršac Stamora Moravita	CFR SA	
		Kikinda-state border-Jimbolia	Kikinda Jimbolia	CFR SA	
4	Bulgaria	Dimitrovgrad-state border Dragoman	Dimitrovgrad Dragoman	NKŽI	Common border station Dimitrovgrad
5	North Macedonia	Preševo- state border Tabanovci	Preševo/ Ristovac Tabanovci	IŽRSM	Common border station Tabanovci
		Đeneral Janković - state border -Volkovo	Đeneral Janković	IŽRSM	Temporarily under the supervision of UNMIK railways
6	Monte Negro	Vrbnica - state border – Bijelo Polje	Vrbnica / Prijepolje freight Bijelo Polje	ŽICG	Common border station Bijelo Polje
7	Bosnia and Herzegovina	Brasina - state border – Zvornik Novi	Brasina Zvornik Novi	ŽRS	

Within the national network, the public railway infrastructure managed by IZS is connected with other railway infrastructures in the Republic of Serbia. The sidings of Elektroprivreda Srbije (Thermal Power Plant Nikola Tesla, Thermal Power Plant Kolubara, etc.).

These sidings are connected to the national IZS network. These sidings are used for transport of goods for own needs and they do not belong to the national railway network.

Railway infrastructure managed by IŽS is connected with a number of railway industrial sidings owned by the business entities.

For other information on railway infrastructure managed by IŽS, which are not contained and presented herein, please contact IŽS at the following address:

„Infrastructure of Serbian Railways“ JSC
Department for Access to the Railway Infrastructure
6 Nemanjina St., 11000 Belgrade, Serbia
Phone.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.pzi@srbrail.rs

2.3 Network Description

2.3.1 Track Typologies

General network information are given in Table no. 3.

Table No 3. Structural lenght of the lines within the network

Total network length	3 333,4 km
Single-track lines	3 044,7 km
Double track lines	288,7 km
Narrow-gauge lines	22,5 km*
Non-electrified lines	2 348,9 km
Electrified lines	1 273,7 km

* Narrow-gauge line Šargan Vitasi – Mokra Gora – State border

Types of railway lines

Pursuant to the Law on categorization of railway lines that belong to Public railway infrastructure („Official Gazette of the RS“, no. 92/20) applied by the „Serbian Railways Infrastructure“ JCS, railway lines are classified as main lines, regional lines, local lines, shunting lines and museum-tourist lines.

Pursuant to the Law on Railway, railway lines are classified as follows:
1. main lines- of importance to international and domestic service;
2. regional lines - of importance to regional and local service;
3. local lines - of importance to local service;
4. shunting lines - of importance to business entities,
5. museum-tourist railway lines.

Main lines with associated line number are:

101 Belgrade Centre-S. Pazova-Sid-St.bord.-(Tovarnik);
102 Belgrade Centre - Junction “G”- Rakovica-Mladenovac-Lapovo-Nis-Presevo-State border-(Tabanovce);
103 (Belgrade Centre)- Rakovica-Jajinci-M.Krsna-V.Plana;
104 (Jagodina) Cuprija Junction – Cuprija-Paracin;
105 (Belgrade Centre)-S.Pazova-N.Sad-Subotica-St.bord.-(Kelebia);
106 Nis-Dimitrovgrad-St.bord.-(Dragoman);
107 Belgrade Centre-Pancevo Main-Vrsac- St.bord.-(Stamora Moravita);
108 (Belgrade Centre)-Resnik-Pozega-Vrbnica- St.bord.-(Bijelo Polje);
109 Lapovo-Kraljevo-Lesak-Kosovo Polje-Djeneral Jankovic- St.bord.-(Volkovo);
110 Subotica-Bogojevo-St.bord.-(Erdut);
111 Belgrade Marshalling Yard „A”-Ostruznica-Batajnica;
112 Belgrade Marshalling Yard „B”-Ostruznica;
113 Belgrade Marshalling Yard „A”-Junc.„B”- Junc. „K/K1”-Resnik;
114 Ostruznica-Junc. „B”-(Junc. „K/K1”);
115 Belgrade MY „B”-Junc. „R”- Junc. „A”-(Resnik);
116 (Belgrade MY „B”)-Junc. „R”-Rakovica;
117 Belgrade MY „A”-Junc. „T”-Rakovica;
118 Belgrade MY „B”-Junc. „T”-(Rakovica);
119 Connecting line in the area of Junction „K/K1”: (Junc. „B”)--Points „K”-Points „K1”-(Jajinci);
120 (Junc. Pancevo Bridge)-Junc. Karadjordjev park-Junc. Dedinje-(Junc. „G”);
121 Indjija-Golubinci;
122 N. Sad-N. Sad MY-Junc. Sajlovo;
123 Deviation at the station Mala Krsna: (Kolari)-Junction points 1-Junction points 28-(Osipaonica);
124 Junc. Lapovo Varos-Lapovo MY-Lapovo;
125 Trupale-Nis MY-Medjurovo;
126 Crveni krst-Nis MY;

127 Nis-Junc. bridge-(Nis MY);
128 Junction track at the station Nis: (Crveni krst)-Junction points 3-Junction points 4-(Cele kula).

Regional lines with associated line number are:

201 Subotica-Horgos-St.bord.-(Roszke);
202 Pancevo Main-Zrenjanin-Kikinda-State border-(Jimbolia);
203 Belgrade Centre (km 7 + 041) – Belgrade Danube – Junction Pancevo bridge;
204 Topcider Passenger station (km 4 + 195) – Junction "G" – (Rakovica);
205 Banatsko Milosevo-Senta-Subotica;
206 Pancevo Varos-Junc. „2a"-(Jabuka);
207 Novi Sad-Odzaci-Bogojevo;
208 (N.Sad)-Junc. Sajlovo-Rimski Sancevi-Orlovat stop;
209 N.Sad MY Junction points 7-N.Sad Lokoteretna-Sajlovo Junc.;
210 Orlovat- Junction „1a"-(Lukicevo);
211 Ruma-Sabac-Junc. Donja Borina-St.bord.-(Zvornik Novi);
212 (Platicevo)-Junc. „1"-Junc. „3"-(Stitar);
213 Stalac-Kraljevo-Pozega;
214 Junction track at the station Kraljevo: (Mataruska Banja)-Junction points 72-Junction points 73-(Adrani)
215 Junction track at the station Pozega: (Uzici)-Junction points 53-Junction points 54-(Dragacevo);
216 Smederevo – Junction Jezava – Radinac – Mala Krsna;
217 Junction Jezava – Smederevo Port;
218 Mala Krsna-Bor-Junction „2"-(Vrazogrnac);
219 (Nis) - Crveni krst-Zajecar-Prahovo Port;
220 (Rgotina)-Junction „3"-Junction „1"-(Trnavac);
221 Barlovo)-Junction „1"-Kursumlija;
222 Kursumlija-Kastrat;
223 Doljevac-Kastrat-Merdare - Kosovo Polje;
224 Kosovo Polje-Metohija-Pec;
225 Kosovo Polje Teretna-Junc. „1"-(Drenica).

Local lines with associated line number are:

301 Subotica-Subotica Factory;
302 Subotica-Subotica Hospital;
303 Novi Sad (km 1+042)-Novi Sad stokehold;
304 (Podbara)-Junc. „3"-Junc. „2"-(Kac);
305 (Rimski Sancevi)-Junction „1"-Junction „3"-(Podbara);
306 Rimski Sancevi-Zabalj;
307 Vrbas-Sombor;
308 (Brasina)-Junc. Donja Borina-Zvornik Grad;
309 Pancevo Varos-Pancevo Vojlovica;
310 Junction track at the station Senta: (Coka)-Junction points 22-Junction points 23-(Orom);
311 Markovac-Svilajnac-Despotovac- (Resavica);
312 Metohija-Prizren;
313 Vrsac – Bela Crkva.

Shunting lines with associated line number are:

401 Vrsac-Vrsac Vasariste;
402 Kikinda-MSK(km 6+413);
403 Bogojevo-Dunavska Obala;
404 Paracin-Stari Popovac;
405 Surcin-Jakovo-Becmen;
406 Sid-Sr.Raca Nova-St.bord.-(Bijeljina);
407 Ovca-Padinska Skela;

408 Sonta – Apatin factory.

Museum-tourist line with its associated number is:

501 Šargan Vitasi – Mokra Gora – State border (Višegrad).

Due to technical conditions, traffic on certain local and shunting lines is completely or partially suspended. More details can be found in Appendix 6.

The following ZS lines belong to main international railway lines according to AGC (European Agreement on Main International Railway Lines):

Direction North – South
E 771 Subotica-Bogojevo
E 79 Belgrade - Vrbnica
E 85 Subotica-Beograd-Nis-Presevo
Kraljevo-Djeneral Jankovic
Direction West – East
E 66 Belgrade-Vrsac
E 70 Sid-Belgrade-Nis-Dimitrovgrad

2.3.2 Track gauges

Track gauge along the network is 1435 mm, except for the museum-tourist line the "Shargan Eight", whose gauge is 760 mm.

2.3.3 Stations and nodes

Km-points and distances in km between particular stations, locations and railway nodes are given in Appendix 6 and Appendix 10.

2.3.4 Loading gauge

Loading gauge (train gauge) is a limited space viewed as a cross section vertical to the track axis that may not be exceeded by any part of the rail vehicle, whether loaded or empty. The loading gauge registered for all IZS lines for international traffic is UIC GB, except for parts of the railway lines Valjevo – Kalenic and Grlica - Djeneral Jankovic, where the registered loading profile is UIC GA. These loading gauges are in line with the UIC Leaflet 506.

The loading gauge that applies to domestic traffic on IZS lines is JZ I. JZ I gauge is slightly larger than the UIC GA loading gauge and slightly smaller than UIC GB. The summary of loading gauges is presented in Appendices 3.1.-3.3.

IZS lines have not been coded for the combined transport gauges in accordance with UIC Leaflet 596-6. However, the measurements that were performed have shown that movements of wagons carrying combined transport load units - such as high cube containers (HCC), semi-trailers and entire road vehicles - are possible. Movements of such consignments are possible under special safety conditions in the exceptional transport regime.

For further information, please contact IZS:

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6 Nemanjina St.
11000 Belgrade
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Tel.: +381 11 3618 214

Fax: +381 11 3616 814
E-mail: sp@infrazs.rs

2.3.5 Weight Limits

In accordance with UIC leaflet 700, depending on track capacity to bear loads by vehicles on the railway network, various weight limits are applicable and expressed in tonnes per axle and tonnes per linear metre.

The load by a railway vehicle per linear metre is the load of an unloaded or loaded railway vehicle divided by the length of the railway vehicle expressed in metres and measured between tops of uncompressed buffers.

Axle load of a railway vehicle is the load of an unloaded or loaded railway vehicle divided by the number of axles of the railway vehicle.

Lines were classified pursuant to what was stated above (Regulations on classification of railway lines No. 325, published in the Official Gazette of the Community of Yugoslav Railways (ZJZ) Nos. 7/89 and 9/90). The classification of IZS railway lines is shown in Table No. 4.

Table No 4: Classes of admissible loads on IZS network

Admissible loads per linear metre		Admissible loads per axle			
		A	B	C	D
		16 t	18 t	20 t	22,5 t
1	5,0 t/m	A	B1		
2	6,4 t/m		B2	C2	D2
3	7,2 t/m			C3	D3
4	8,0 t/m				D4

The overview of admissible loads in tonnes per axle and in tonnes per linear metre is presented in Appendix 6.

2.3.6 Line gradient

In order to determine required train braked weight, characteristic gradients for braking must be determined for each line or track section. Characteristic line gradient for braking means the value of its longitudinal gradient, on the basis of which braked weight percentages are determined, i.e. the required train braked weight on a certain line or track section. The steepest longitudinal gradient (rising or falling) on a specific line (or section), over the length of 1000 metres or more, is considered to be the characteristic gradient of that specific line or section. In determining characteristic gradient for braking, curve and tunnel related resistances are not taken into consideration.

The characteristic resistance of a line or one of its sections means the value of its specific resistance on gradients, in curves and tunnels, on the basis of which train weight i.e. locomotive hauled load is determined.

The overview of the characteristic gradients and characteristic resistances of particular lines is presented in Appendix 6.

2.3.7 Maximum Line Speeds

The maximum permissible speed with respect to line capacity is the maximum speed permitted on a line or line section with respect to the railway line superstructure and its structures (carrying capacity of the track, its lining and levelling, curve radius, points design, etc.), fixed electric traction installations and signalling devices on the line, and it may not exceed the lowest one of such speeds.

Restricted speeds are permanently prescribed lower speeds than maximum permissible speeds on the railway line along which traffic can be operated only over some of its parts owing to its technical condition, or the speeds permissible over the points area.

For further information on maximum permissible speeds with respect to line capacity, please refer to Appendix 6.

2.3.8 Maximum train lengths

The length of each train is determined during capacity allocation procedures and it is expressed in rounded metres. The maximum permissible length of a train operating on a line, for the purpose of its unobstructed acceptance and forming in railway stations, at passing points and other locations, is determined on the basis of the maximum permissible train length in certain stations, passing points and other service points along the given line and with respect to usable length of main lines.

Maximum permissible length of a train for station tracks is obtained by subtracting the length of 25 m to be taken up by the locomotive and spare 10 m to be taken up by the train from the usable track length expressed in metres and determined under the Instructions (Instructions on the technical standards and data for the preparation of timetable implementation, Official Gazette of ZJZ Nos. 9/89, 6/91, 8-9/91, 4/92, and 9/92).

Actual length of a train is obtained by totalling the lengths over uncompressed buffers of all vehicles included in the train, except for the locomotive hauling the train, whose length has been taken into account during determination of maximum permissible train length at a station. If a train has double heading, banking locomotive or intermediate-haul locomotive, their lengths must be taken into account when determining the train length.

The overview of distances between locations and maximum permitted train lengths relative to usable track lengths is presented in Appendix 6.

The provisions of paragraph 2 of this Article shall also apply to the length of the passenger train length. The passenger train can be longer than the length of the platforms and arranged areas in service point, and if the railway undertaking requires their engagement in such service points, in accordance with local and / or other specific circumstances, he must set and ensure the necessary safety measures for passengers.

Passenger train length is limited by platform length. The overview of platforms and arranged areas in locations is given in Appendix 8 and for further details, please contact IZS:

„Infrastructure of Serbian Railways“ JSC
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6 Nemanjina St.
11000 Belgrade
Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.pzi@srbrail.rs

2.3.9 Power Supply

IZS ensures the transmission of required electric energy from the public power supply network of the Republic of Serbia via fixed installations of electric traction (substations) and the contact line for electric train traction. All electrified lines have the basic supply system, which is single-phase AC 25 kV 50 Hz system. The overview of electrified lines is presented in Appendix 3.4. The overview of power installations is presented in Appendix 3.5.

The power supply system voltage is U=25 kV, and its frequency is f=50Hz. The heights of the contact wire are Hkpmin=5000 mm, Hkpnom=5500 mm and Hkpmax=6000 mm. Staggering of the contact wire is p=±200 mm along the straight track, and p=300 mm in curves.

In the 25kV, 50 Hz power supply system, the use of pantograph (current collector) for electric motive power is permitted according to the General Contact Line Catalogue (type POS-III/E). The design of pantograph is shown in Figure No 1.

The basic parameters for the asymmetric pantograph used on IZS network, with double contact strip and pneumatic actuator, are in accordance with the provisions of UIC Leaflet 608 and are shown in Table No 5.

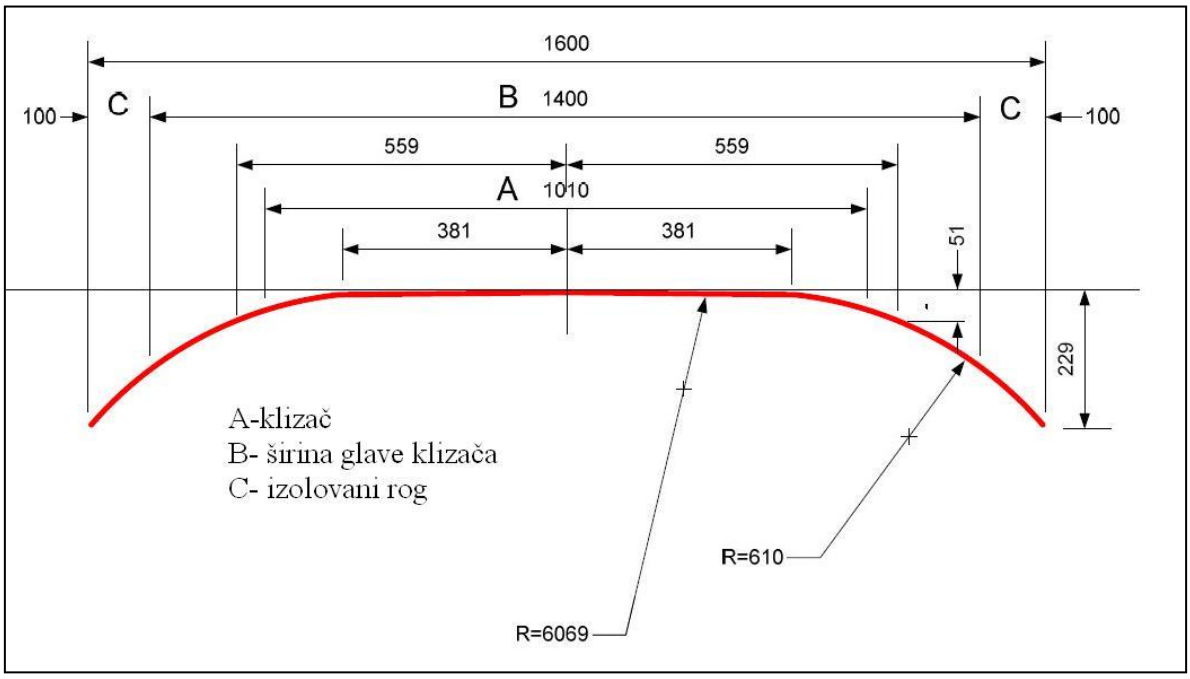

Figure No 1. – Dimensions of pantograph

Table No. 5: Pantograph parameters

Permissible width of horned slipper holder (mm)	Width of metal horns (mm)	Rated current (A)	Height of contact line (mm)	Minimum length of contact strip (mm)	Static force Fa (N	Maximum aerodynamic force Fa (N)	Maximum speed (km/h)	Type of contact strip
1600	1400	400	6200 5500 5000	800	60-90	70	160	graphite

2.3.10 Signalling systems

Railway signals provide signals by means of which railway staff can mutually communicate in a fast and reliable way about train operation, shunting, permitted and forbidden runnings via a certain location, the track condition, the need for speed restriction, etc. Some signals are used for preserving of personal safety of railway staff and other persons.

Regulation on types of signals and signal markings („Official Gazette of the RS“no.50/20) are applicable regarding the use of signals and signal identification with corresponding amendments, corrections and interpretations.

There are eleven types of station track interlocking on the JSC "Serbian Railways Infrastructure" network, and they are presented in Appendix 6.

On IZS network, all main arterial routes are equipped with fully centralized electrical relay signalling & interlocking equipment, as follows:

- Belgrade-Nis-Presevo: Siemens SpDrS-64/JZ track circuit system

- Belgrade Resnik-Vrbnica: Siemens SpDrS-64/JZ axle counter system
- Belgrade-Sid: Siemens SpDrS-64/JZ track circuit system
- Indjija-Subotica: Westinghouse track circuit system

The main arterial routes Sid-Belgrade-Nis-Presevo and Belgrade-Vrbnica are included in the system of remote traffic control and supervision – remote control centre (manufactured by Westinghouse). There are three remote control centres - in Belgrade, Pozega and Nis. Based on this device 3 remote control centres were built in Bekgrade, Nis and Pozega with total of 140 controlled stations.

Dimitrovgrad Station (the railway line Nis-Dimitrovgrad-State border) is equipped with electronic signalling & interlocking device Simis-W with Iltis control & supervision system manufactured by Siemens.

Stations Belgrade Centre, Pancevo Glavna and Cuprija are equiped with electronic signalling & interlocking devices.

Other lines are equipped with the above stated interlocking types, but there is no continuity as regards one system of interlocking.

The overviews of signalling and interlocking devices are presented in Appendices 3.6.

2.3.11 Traffic control systems

The movement of trains running in opposite directions and consecutive train movements are controlled by requesting and giving the permission i.e. announcement of arrival and departure.

Consecutive trains can follow one another only in particular time intervals. For control of the trains following one another in particular time intervals, railway lines can be divided into:

- Block sections between stations - when two neighbouring stations control the sequence of trains in the station interspace,

- Train-recording points - when two neighbouring train-recording points or a station and a neighbouring train-recording point control the sequence of trains in announcement intervals,

- Block sections – when the traffic of consecutive trains is controlled by automatic positioning of automatic block signals in the position of permitted or forbidden train ride.

In addition to space distance, in case of consecutive trains in train reporting and block intervals, there should be a time interval so as to avoid train stopping before automatic block signals due to different train journey times over block sections (time spacing).

On the railway lines of JSC "Serbian Railways Infrastructure" there are also interstation interlocking devices (MZ) which regulate train traffic at distances between stations, where an interstation track occupation is reported by means of axle counters.

There can only be one train in one block section on the same track and at the same time.

Train operation is regulated by movements inspectors who use the station signal boxes and along railway lines through remote control – by the remote control dispatcher from the central signal box, except at the stations that are not included in the remote control system. The traffic of trains running in opposite directions and consecutive trains is regulated by movements inspectors at manned stations and along the railway lines included in the remote control system it is regulated by remote control dispatchers.

"Infrastructure of Serbian Railways" JSC uses "Flexi code 560" remote control system on its territory, manufactured by Westinghouse. It uses semiconductor technology and a code system, and controls instruction completeness at the stages of forwarding and acceptance. It was developed as a standard format

and it consists of a remote control centre, which can control 32 stations on one railway line and of one or more lines for data transfer, as well as the remote control equipment at stations (satellites).

Based on this device, 3 remote control centres were constructed in Belgrade, Nis and Pozega, with 140 controlled stations.

The train control system is governed by the Traffic Regulations (Regulations No 2 published in the "Official Gazette of the Community of Yugoslav Railways (ZJZ)" No. 3/94) and Traffic Instructions (Instructions No. 40, published in the "Official Gazette of the Community of Yugoslav Railways (ZJZ)" No. 6/80-47), with all appurtenant amendments, corrections and interpretations.

The train control methodology is presented in Appendix 6.

2.3.12 Communication systems

In the course of traffic operations, communication is carried out via telecommunication devices – telephone and ground-train radio links. Communication via means that provide reliable and continuous registration of notifications (teleprinter, telephone or radio link with registration devices) is considered to be verifiable communication. The notifications related to the control of train movements (permissions and instructions given to train crew via telephone or ground-train radio links) are furnished exclusively via devices for verifiable communication.

The communication between movements inspectors, remote control centre dispatchers and drivers is carried out in Serbian language.

All notifications are given in the format and manner set forth in the Traffic Regulations (Regulations No 2), Regulations on domestic and international telegraph, telephone and radio-traffic (Regulations No 8), Traffic Instructions (Instructions No 40) and Regulation on records kept by the railway undertaking and the railway infrastructure manager („Official Gazette of the RS"no.56/2019).

The overview of telecommunication links and installations is presented in Appendix 3.7.

IZS network uses analogue ground-train radio system (RDV) for transmission of specially coded voice information in the frequency range of 460 MHz and by using frequencies belonging to quadrifrequency groups according to UIC Leaflet 751-3. The system operates in full duplex (modes A and B), with selective calling option including automatic identification and making special calls (group, intervention).

There is a possibility of integrating into local radio networks (mode C) and automatic telephone exchange. The devices were manufactured by AEG (now EADS telecom) in the '70s and the '90s.

On the lines with a dispatcher control system, the train operating staff is connected with the remote control centre dispatchers via mobile RDV units, which represent mandatory driver's cab equipment.

2.3.13 Train Control System

For the time being, there is no automatic train control system on the railway lines of JSC "Serbian Railways Infrastructure".

Intermittent transmission AS device (automatic train control) with resonant frequencies of 1000Hz and 2000Hz, type Indusi (I 60), is used for the control of train movements. It is comprised of:

- track magnet (stationary trackside part of the device)
- transmission system (inductive link between the track magnet and locomotive auto-stop device), and
- locomotive part installed on the traction unit.

Track magnets are installed on the right-hand side of the track, in the direction of train movement.

Functioning and operating of AS devices have been stipulated under the Operator's Manual for inductive I-60 AS devices (Instructions No 425), Instructions for installation, testing and putting into operation and maintenance of the locomotive part of I-60 AS device (Instructions No 426), and Instructions for use, installation, testing and maintenance of trackside AS devices on the lines of Yugoslav Railways (Instructions No 427).

The overview of the lines equipped with AS device is presented in Appendix 3.6.

2.4 Traffic Restrictions

2.4.1 Specialised Infrastructure

According to Directive 2001/14/EC Article 24, if there are appropriate alternative routes, Infrastructure Manager may, upon consulting interested parties, designate the specialised infrastructure for particular types of traffic. Such infrastructure will be deemed available for all types of traffic that are in accordance with the characteristics required for the traffic on such routes. This will not prevent the use of the same infrastructure for other types of traffic when capacities are available and when the rolling stock are in line with the technical characteristics necessary for traffic on that line.

There is no specialised infrastructure on the network operated by IZS in the above sense.

2.4.2 Environmental Restrictions

Environmental restrictions, such as noise levels, are not currently applied on the network managed by IZS.

2.4.3 Dangerous goods

The transport of dangerous goods on the railway infrastructure operated by IZS is regulated by international and national regulations in the field of transport of dangerous goods in accordance with 3.4.4 - Dangerous Goods.

Locations for loading, unloading, transhipment of dangerous goods may be performed only in places that meet prescribed requirements. The stations (service points open to the acceptance and forwarding of goods) within the rail infrastructure do not meet this requirement, wherefore handling of dangerous goods in the station areas (service poinys) is not allowed.

Handling of certain types of dangerous goods () can be performed on special tracks under special conditions, i.e. on particular parts of the tracks in particular stations. The list of service points in which transhipment of dangerous goods can be performed is given in Appendix 3.8.

For further details, please contact IZS:

JSC "Serbian Railways Infrastructure"
Traffic Department
Central Operational Department
Main Dispatcher for Transport of Dangerous Goods
6 Nemanjina St
11000 Belgrade
Serbia
Tel.: +381 11 3619 288
e-mail: rid1@srbrail.rs.

2.4.4 Tunnel restrictions

On the railway line Belgrade Centre –Pancevo Main Station - Vrsac- State border through tunnel «Vracar» i.e. on section junction Karadjordjev park – junction and stop Pancevo Bridge and through tunnel «connecting line» i.e. on the route junction Karađorđev park- junction Dedinje trains with motive power, trains with deiesel traction, as well as vehicles with diesel set cannot be regularly dispached (energy-distribution wagon, reefers with generator station). Exceptions to this are diesel traction trains series 711 and auxiliary trains with diesel traction of infrastructure manager which urgenly refer to eleminate accidents occured and diesel motor track vehicles to eliminate obstacles that disable traffic, while respecting the limitations that interval of clearance and time between passing any two vehicles with diesel drive cannot be shorter than 30 minutes.

In other cases, the diesel motor vehicles of the infrastructure manager can perform traffic on the specified sections when the transport of trains for transport of passengers is not organized in the service point Vukov spomenik.

With the obligation to respect the restrictions regarding the drive of a vehicle, for the transport of freight trains containing a car with a RID marking (loaded or empty vehicles for transport of dangerous goods), the following conditions apply:

- on the part of railway line Pancevo Bridge–Rakovica and Pancevo Bridge Belgrade Centre trains can operate only in period whn traffic of passengers trains is not organized i.e. when the station is closed for passengers transport,
- on the part of railway line Pancevo Bridge –Rakovica and Belgrade Centre there can be only one train with coar marked RID i.e. does not let meeting of two freight trains if at least one is composed of car marked RID;
- during the operation of trains composed of car marked RID an additional technical inspection must be carried out, whick included checking bearing heat and enhanced visual control of loads (valve, clamps etc.)for the train which operaters in direction Pancevo Bridge – Rakovica and Pancevo Bridge – Belgrade Centre in Pancevo Glavna station, for trains operating in direction Rakovica –Pancevo Bridge or in Rakovica station or in Belgrade Marshalling yard (if it is performed in Belgrade Marshalling yard, there is no need to be performed in Rakovica station);
- obligation of railway undertaking upon perfomed additional technical inspection of trains in stations at stations Pancevo glavna, Rakovica, and Belgrade marshalling is to register clause in telegraph-telephone log „The additional technical inspection of train was performed on date ____at_____ hours of train no_____(signature of authorized representaitve of railway undertaking)“, thereby to inform the train dispacher in proved way that technical inspection of train was completed before dispaching on the part of railway line Pancevo Bridge-Rakovica. In the event that railway undertaking does not have organized inspection service in stations Pancevo Main, Rakovica and Belgrade marshalling, and that technical inspection of trains composed of loaded or empty car marked RID, such train can not operate on the part of railway line Pancevo Bridge -Belgrade.

Freight trains, which have a loaded or empty car with the mark RID, must in no case operate in the direction of Belgrade Center - Pančevački Bridge.

2.4.5 Bridge restrictions

There are no bridge restrictions in terms of specifically defined requirements apart from those arising from the bridge structural parameters. Exceptionally, until the construction of the fifth longitudinal bridge girder into the construction of „Pancevo bridge“ across Danube river, on the railway line Belgrade Centre – Pancevo Main Station – Vrsac – State Border, between location on junction Pancevo bridge—Krnjaca bridge all assemblies of two freight trains are prohibited on „Pancevo bridge“.

2.5 Availability of the Infrastructure

All railway lines operated by IZS are open to railway traffic from 0.00 h to 24.00, except for the lines on which the traffic due to technical condition is temporary impossible/ or with the Decision of the Government

of the Republic of Serbia the consent for the suspension of public transport of passengers and goods on the part on the railway infrastructure was given („Official Gazette of the RS“no.80/2016), and they are listed in Appendix 6. Service points are open for railway traffic permanently, as some of them may have limited operating hours envisaged for the effective staff of the traffic service, as stated in Appendix 6. Details about mentioned working time are published in the timetable material, and for more datils please contact:

„Infrastructure of Serbian Railways“JSC
Traffic Department
6 Nemanjina Street, 11 000 Belgrade, Serbia
Tel/Fax: +381 11 3618 214
E mail: sektor.sp@infrazs.

Exceptionally, on the railway lines with limited hours of operation where mentioned staff is working in limited operating hours, train operations can take place outside the mentioned hours when trains have to operate via auxiliary routes due to the occurrence of an accident or incident. Appendix 3.9 contains an overview of auxiliary routes that may be used as alternative to regular ones. Certain lines that may be used as auxiliary routes can be of different class from the line class along the regular routes with respect to permitted loads per axle or m’.

A railway operator may also submit a request for train path allocation outside the operating hours of the line or railway service points, in which case such railway operator has to bear all the costs of entire traffic organization for longer operating hours of the line, i.e. service points.

If several railway operators are using longer operating hours, they will jointly bear the costs.

Infrastructure Manager is responsible for maintenance, overhaul and modernization of the infrastructure in order to provide appropriate service and safe performance of transport operations. In this respect, IZS plans regular maintenance of the lines that affect the availability of infrastructure, in the sense of closure of specific line sections for a specific time period or introduction of temporary train speed restrictions.

The infrastructure use restrictions required for regular infrastructure maintenance are part of the capacity allocation process and are published within the timetable documents, in the timetable booklets (KRVs).

IZS will issue for all railway operators a 3 months' prior notice of any planned longer works to be performed on the railway infrastructure and which could affect the transport operations and the timetable due to the speed restrictions, route changes, use of buses instead of trains for the carriage of passengers, etc.

For all freight trains running in the south-north and transit the part of railway infrastructure between station Velika Plana and node Belgrade, regulary routing is across the railway line (Belgrade)-Rakovica-Jajinci-M. Krsna-V. Plana and the compiling of paths in done in this way. Exceptionally this rule cannot be applied during the planned works on reconstruction of above-mentioned railway line.

For all freight trains running in the south-north and transit the part of railway infrastructure between node Belgrade and station Velika Plana, regularly routing is across the railway line (Belgrade)-Resnik-Mladenovac-V. Plana and the compiling of paths in done in this way.

The railway lines on the territory of Kosovo and Metohia are under interim supervision of UNMIK, according to the Temporary Agreement between ZTP Beograd and UNMIK Railways of 31/05/2002 (ref. number 300/2002 - 153 of 31/05/2002), wherefore the path allocation requests for this territory will not be taken into consideration.

2.6 Infrastructure Development

Railway infrastructure, which is managed by IŽS, is constantly being renewed and modernized, in order to enable to the users the best possible service quality.

Development projects of the infrastructure are defined within Strategic plan of IŽS (Decision of the Assembly of Joint stock company for public railway infrastructure management „Infrastructure of Serbian Railways"JSC, Belgrade no. 5/2017-116-49 from June 29, 2017)", which is prepared on the base of the National program of the infrastructure („The Official Gazette of RS", no. 53/17). Development of the railway infrastructure is directed towards the modernization of the lines which are part of the Pan-European corridor.

Possibility of the realization of the planned works depend upon the amount of the financial means, which are provided from the state budget of the Republic of Serbia and from the amount provided from the other sources of financing.

Appendix 3.11. contains a list of development projects.

3. ACCESS CONDITIONS

3.1 Introduction

This chapter of the Network Statement describes the conditions associated with access to the railway infrastructure managed by the IZS. These conditions also apply to the part of freight corridors passing through the railway infrastructure managed by the IZS.

3.2 General access requirements

A railway undertaking can provide transport services on IZS railway infrastructure based on:

- valid license for carriage in railway transport over the infrastructure, issued by Directorate for Railways (hereinafter: DR),
- valid certificate on safety for carriage in railway transport,
- allocated capacity – path and contract on provision of access to and use of public railway infrastructure concluded with the infrastructure manager.

Requirements for the submission of application for license, safety certificate and thereof contents are stipulated in the Law on Railways of the RS and the Rules on the requirements for issuance of and the content of certificate on safety for carriage in railway transport.

3.2.1 Conditions for Applying for Capacity

Request for train path allocation can be submitted by a railway undertaking or an international group of railway undertakings or other persons or legal entities, such as competent authorities, consignors and forwarding agents and operators in combined transport, having interest in provision of public service or having commercial interest in the allocation of railway infrastructure capacity.

Where a train path is allocated to an applicant other than a railway undertaking, the contract on the use of railway infrastructure shall be concluded between the infrastructure manager and the railway undertaking hired by such applicant.

If a request has been submitted after a specified deadline, train path in accordance with remaining capacities will be offered to the applicant, and if there are no capacity constraints, a new path will be subsequently created.

3.2.2 Conditions for Access to the Railway Infrastructure

Services of carriage in railway transport may be provided by a company, other legal entity or entrepreneur registered for provision of public transport services or transport for own purposes, incorporated in the Republic of Serbia, subject to the submission of evidence of fulfilment of the conditions related to good reputation, financial capability, and competence, and the cover for civil liability.

The license for carriage in railway transport and the certificate on safety is issued by DR or a competent authority of another country, based on reciprocity, with which country Serbia has signed an intergovernmental agreement on mutual recognition of certification.

Transport on railway infrastructure may be performed by railway undertakings meeting the requiremements referred to in paragraph 1 hereof, who signed the Contract for use of public railway infrastructure. The Contract for use of public railway infrastructure regulates the mutual rights and obligations between the infrastructure manager and railway undertakings and they are concluded in line with article 19 of the Law on Railways.

3.2.3 Licenses

Directorate for railways issue transport license: for transport of goods/passengers and for transport for own purposes.

Transport License is issued to applicant, company, other legal entity whose main registered activity is for provision of railway transport of good and/or passengers, or to a company or other legal entity who performs or will perform transport for own purposes, incorporated in the Republic of Serbia, subject to the submission of evidence of fulfilment of the conditions related to:

a) good reputation,

b) financial capability,

c) proficiency and

d) cover for civil liability in line with the Law on Railways.

Details related to licensing of railway undertakings are set from article 81.to article 85. of the Law on Railways.

Contact of competent institution for issuance of license is:

Directorate for Railways
6 Nemanina St., 11000 Belgrade
The Republic of Serbia
Manager' soffice
tel. (011) 361 68 66
fax (011) 361 83 46
e-mail: administration@raildir.gov.rs
web page: www.raildir.gov.rs

3.2.4 Safety Certificate

The railway undertaking must have safety certificate for transport to be allowed to access infrastructure. The type and scope of operations of railway undertaking related to certificate are specified in the safety certificate.

The safety certificate may include the entire network or certain part thereof.

Safety certificate is consisting of:
1) part A confirming the acceptance of railway security management system of railway undertaking;
2) part B confirming the acceptance of provisions adopted by railway undertaking in order to meet the specific requirement set for transport safety on appropriate network; these requirement may include the application of technical specification, the national safety regulation and internal regulation of railway undertaking, the acceptance of employee's certificates and permissions for usage of rolling stock used by that railway undertaking.

Directorate for Railways is responsible for issuance of safety certificate for transport in set form and in the form of decision. The decision to issue or to refuse to issue safety certificate for transport is ultimately in the administrative procedure and a dispute can be brought against it at Administrative Court.

The validity period of the safety certificate for transport is five years and can be renewed at the request of the holder.

Directorate for Railways determine in more detail forms of safety certificate for transport, numbering of forms of safety certificate for transport in line with European identitification number, the application form

for issuance of safety certificate for transport and instructions for its completion, as well as necessary documentation enclosed with the request for issuance of safety certificate for transport.

Provisions regarding safety certificate for transport are set in Law on Railway Transport Safety.

Contact of competent institution for issuing safety certificate is:

Directorate for Railways
6 Nemanjina St., 11000 Belgrade
The Republic of Serbian
Manager' s office
tel. (011) 361 68 66
fax (011) 361 83 46
e-mail: administration@raildir.gov.rs
web page: www.raildir.gov.rs

3.2.5 Cover for Civil Liability (Insurance)

One of the conditions for issuing a transport license is the fulfillment of the requirements related to civil liability coverage (Insurance).

The requirement relating to civil liability coverage for a company or other legal entity that is registered for the public transport of goods and / or passengers, or performs or will carry out transport for its own purposes, is fulfilled if it is adequately insured or has adequate guarantees under market conditions for coverage, in accordance with legal requirements and confirmed international treaties, for their liability in the event of an accident.

Civil liability coverage may not be required to take effect before the railway undertaking starts operating the service.

3.3 Contractual Arrangements

3.3.1 Framework Agreement

The Infrastructure Manager and an applicant may, by way of exception, draw up a framework agreement on the use of capacity on the relevant railway infrastructure for a period longer than the period of validity of the timetable.

The Framework Agreement between the infrastructure manager and the applicant shall contain the characteristics of the infrastructure capacity for which the applicant applied and which he was offered for a time period exceeding the period of validity of one timetable.

Law on the Manner of Conclusion and Content of Framework Agreements for Allocation of Railway Infrastructure Capacity lays down the procedures, content and criteria relating to the framework agreements for the allocation of railway infrastructure capacity, as well as the obligations of the infrastructure manager regarding information regarding the framework capacity.

At present, the infrastructure manager does not offer the possibility of concluding a framework agreement with the applicant. However, it intensively conducts the activities aimed at defining the procedures so as to have this option open in the near future.

3.3.2 Contracts with RUs

The Law on Railway of the Republic of Serbia stipulates the obligation of concluding a contract on the use of infrastructure that allows railway undertakings to use railway infrastructure. Contracts for use of public railway infrastructure regulate in more detail the mutual rights and obligations of infrastructure managers

and railway undertakings related to guaranteeing the technical and other conditions for safe transport operation, the application of regulations governing the transport of dangerous goods, as well as payment of access charges and charges of services. Contracts for use of public railway infrastructure are concluded under non-discriminatory and transparent conditions.

Contracts on use of infrastructure are concluded no later than 2 (two) months prior new timetable enter into force or immediately after the allocation of ad hoc train path.

If during the validity period of Contract for use of public railway infrastructure, the railway undertaking through an authorized person submit ad hoc request in approved way for allocation of train path, it is considered that addendum of that contract is concluded at the moment of allocation of requested train path by infrastructure manager.

For other services (basic, additional and accompanying) provided by infrastructure manager special contracts are concluded.

3.4 Specific Access Requirements

3.4.1 Rolling Stock Acceptance

Railway undertaking may use only the rolling stock that complies with the technical regulations and standards. Rolling stock shall, by virtue of their structure and technical condition, ensure safety of transport on the infrastructure, safety of transported persons and goods, safety of staff, and shall meet the health and environment protection requirements.

All requirements relating to rolling stock and thereof use on the railway infrastructure of IZS are set forth in the Law on Railway Safety and Interoperability ("Official Gazette of the RS", no. 41/18) and Law on Railway Traffic Safety ("Official Gazette of the RS",no.41/18).Railway undertaking shall be responsible for the technical condition, maintenance and operation of the rolling stock.

3.4.2 Staff Acceptance

Railway undertaking shall be responsible for ensuring that his staff meets the requirements stipulated by the Law on Railway Safety ("Official Gazette of the RS", No. 41/8) and applicable by-laws.

The railway undertaking's train manning shall be familiar with the official language in the Republic of Serbia.

Railway undertaking shall be responsible for staff training, validity of periodical knowledge tests, knowledge of track condition and local conditions at stations/stops. Railway undertaking is obliged in that respect to abide by the applicable legislation of the Republic of Serbia.

3.4.3 Transport of Special Loads

A load shall be considered special if due to its external dimensions, weight or properties, and with respect to the station installations or wagons in transport by one of the railways participating in transport, it causes particular difficulties, wherefore it is received for transport only under special technical or operating conditions. Carriage of special loads in domestic and international railway transport, as well as the conditions under which such carriage may take place, shall be approved by the Infrastructure Manager whose railway infrastructure will be used for transport. IZS provides the special loads service (for vehicles or goods) in accordance with the provisions on transport of special loads set forth in the Rules on Transport of Special Loads („„Official Gazette of the RS", no. 6/17).

IZS shall be responsible for the allocation of capacity and defining the conditions for transport of special loads.

In addition to what was stated above, the railway undertaking in international transport shall comply with the provisions of UIC 502.1 and 502.2, governing the process of approval of requests for transport of special loads. The railway undertaking shall submit a request for transport of loads to the relevant department of IZS. Special loads will be accepted for transport only if special operating and technical conditions are met. For more details on transport of special loads please refer to Chapters 4 and 5 of this Network Statement.

For more details on transport of special loads please contact:

Infrastructure of Serbian Railways"JSC
Traffic Department
6 Nemanjina Street
11000 Belgrade
Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.sp@srbrail.rs

3.4.4 Transport of Dangerous Goods

Transport of dangerous goods by rail in the Republic of Serbia shall be performed in accordance with: Annex C to Convention concerning international carriage by rail (COTIF) - Regulations governing the international carriage of dangerous goods by rail (RID); the Law on the Transport of Dangerous Goods; the by-laws based on LTDG and other regulations in the Republic of Serbia.

The Ministry of Construction, Transport and Infrastructure is responsible for performance of administrative, inspection, technical and other expert activities in the field of transport of dangerous goods in the Republic of Serbia(www.utot.gov.rs).

4. CAPACITY ALLOCATION

4.1 Introduction

Pursuant to the Law on Railways and decision of the Government of the Republic of Serbia, "Infrastructure of Serbian Railways" JSC performs the activities of public railway infrastructure management, it is responsible for allocation of infrastructure capacities for the purposes of international and domestic transport in a transparent and non-discriminatory manner, provided that all legal provisions on the conditions for access and use of railway infrastructure set out in Chapter 3 of this Network Statement have been previously fulfilled.

4.2. Description of infrastructure capacity allocation procedure

The Infrastructure Manager normally allocates the train paths once a year, upon reconciling the train path allocation requests in the timetabling process, not exceeding the Timetable validity period.

Allocation of infrastructure capacities in the form of a train path is carried out in accordance with the procedures specified in this document for:

- infrastructure capacities allocation procedure for the new Timetable,
- infrastructure capacities allocation procedure during Timetable validity period (including train path allocation on ad hoc request).

A Railway Undertaking may not assign the allocated train path to another Railway Undertaking. Train path trading is prohibited. Train path user will pay a charge for the use of railway infrastructure and for railway traffic organization and control.

The Government of the Republic of Serbia sets out the Methodology for valuation of elements for determining the charges for the use of railway infrastructure. The Decree on methodology for valuation of elements for determining the charges for the use of railway infrastructure is published in the "Official Gazette of RS" No 122/14. For additional services, a train path user will pay a charge in accordance with the Infrastructure Manager's formal decision.

How to apply?

Request for infrastructure capacity allocation can be submitted by railway undertakings using the train path request form, which is available in Appendix 4.1, and published on IŽS website: www.infrazs.rs.

Requests are submitted according to procedures defined under section 4.5.

The request should contain the following data:

- Full registered name of the Railway Undertaking (TIN, company identification number),
- Train type (for passenger transport, freight, empty, locomotive, and similar),
- The desired time of train departure from the departure station and the time of train arrival to the terminal station,
- Traffic route and transport route,
- Necessary stops with minimum lengths of delays,
- Traffic period and days (traffic calendar),
- Series and number of wagons/series and number of train units,
- Train length and mass (length in meters, mass in tons),
- Type and serial number of the traction vehicle (traction passport),
- Additional locomotives (type and serial number) and on which section,

- Maximum train speed,
- Braking type,
- Special notes, such as vehicle shunting, change in train composition, implementation of connections, crew change, type of intermodal transport unit, type of dangerous goods (UN number, number for marking of danger or, for Class 1 dangerous goods, the subclass and compatibility group for substances and items, *NHM* code with minimum 6 digits and the name of dangerous goods based on *RID*), exceptional consignments, handover procedures on border crossings, technical hold ups (inspection, water supply, removing of waste and similar) and the required time period, the need for additional track capacities (storing, preheating/cooling, train formation and similar), the need for access to other facilities for provision of additional services and similar.

Upon the request of IŽS, a Railway Undertaking will be required to provide all the missing data within five working days, otherwise the request for capacity allocation will not be considered as submitted.

A request for capacity allocation submitted to IŽS on time and containing all the necessary elements makes a basis for timetabling and train path allocation. If a Railway Undertaking changes the request completely or partially after the determined deadlines for request submission it assumes the risk of not having the request granted.

After the annual timetable drafting process has been completed, the remaining available capacities will be allocated according to the deadlines defined in Appendix 4.3 according to the sequence of request submission.

Manner of capacity allocation

IŽS decides on capacity allocation taking into account all legally valid requests and legal provisions in force. In accordance with the Law on Railways, the procedures and deadlines in capacity allocation have been determined under point 4.5 of the present Network Statement.

Defining of procedures and deadlines in capacity allocation is harmonized with Directive 2012/34/EU and its appendices, RNE recommendations from "Procedures for International Path Requests" and Rulebook on time schedule for railway infrastructure capacity allocation ("Official Gazette of RS", No 140/14).

Relevant bodies involved in the capacity allocation process and their responsibility

Bodies participating in capacity allocation process:

- IŽS – "Infrastructure of Serbian Railways" JSC as Infrastructure Manager and capacity allocation body
- Railway Undertakings – railway undertakings submitting capacity allocation requests
- RNE – RailNetEurope – body coordinating the allocation of international train paths and determining processes and deadlines for submission of international train path requests
- FTE – ForumTrainEurope – European organization of railway undertakings representing the European Forum for technical planning of international passenger and freight transport.

IŽS, as Infrastructure Manager and capacity allocation body, is a member of RNE and is actively involved in the activities of FTE.

4.3 Allocation of capacity for maintenance, including the allocation process

Allocation of infrastructure capacities for maintenance, renewal and modernization of railway infrastructure is an integral part of capacity allocation process. Aiming at maintaining a certain level of quality, safety and reliability of railway infrastructure, IŽS – Department for access to railway infrastructure will, during the timetabling process, reserve a part of infrastructure capacities for scheduled railway infrastructure maintenance, for specific time periods and specific line sections.

Periods reserved for scheduled railway infrastructure maintenance are published in the Timetable Booklet.

4.4. Impact of Framework Agreements

"Infrastructure of Serbian Railways" is currently not concluding framework agreements with interested applicants for allocation of infrastructure capacities.

4.5 Schedule for Path Requests and Allocation Process

Each year IŽS prepares a schedule for path request submission and capacity allocation which is applied in the annual timetabling process and in the capacity allocation process outside the annual timetabling process published in the Network Statement.

Railway Undertakings allocation requests for the new Timetable and during Timetable validity period should be submitted in the form defined in Appendix 4.1, to the following address:

By mail, to the following address:
"Infrastructure of Serbian Railways" JSC
Department for access to railway infrastructure
6, Nemanjina St
11000 Belgrade, Serbia
By e-mail: sektor.pzi@srbrail.rs

4.5.1 Schedule of requests submission for new annual timetabling process

The Applicant (Railway Undertaking) submits a request for capacity allocation not later than 12 months before the new Timetable enters into force. Deadlines for requests submission regarding Timetable 2021/2022 which enters into force on December 12th 2021 with validity until December 10th 2022 are presented in Appendix 4.3.

For the needs of Railway Undertakings wishing to use additional capacities or to change parametres of already allocated train paths, the new capacity allocation during Timetable validity period is enabled by:

- Regular amendments of and supplements to the Timetable
- Special amendments of and supplements to the Timetable
- Train path allocation on ad hoc request

In the form defined by Articles 4.5.2 and 4.5.3 in this Network Statement.

4.5.2 Schedule of requests submission for train path allocation during annual Timetable validity period trough regular and special amendments of and supplements to the Timetable

During the Timetable validity period, there are regular amendments of and supplements to the Timetable 5 times a year, in accordance with internationally determined terms which are presented in Appendix 4.4. Deadlines for submission of requests for capacity allocation are presented in the column 1, Appendix 4.4.

Requests for regular amendments of and supplements to the Timetable that are submitted after deadlines specified in the column 1, Appendix 4.4, will be considered as special requests and shall be included in regular amendments of and supplements to only in case of existance of available infrastructure capacities and technical possibilities for their processing.

After the 5th regular amendments of and supplements to the 2021/2022 Timetable enter into force it will be only possible to submit ad hoc requests for capacity allocation.

Besides regular amendments of and supplements to the Timetable in accordance to the terms specified in the column 3, Appendix 4.4, Railway Undertakings may submit special request for infrastructure capacity

allocation outside specified terms. If there is possibility for allocation of the requested capacities, consequent changes in the Timetable shall be considered as special amendments of and supplements to the Timetable.

4.5.3 Allocation of capacities during annual Timetable validity period on ad hoc request

Ad hoc requests for infrastructure capacity allocation are requests for allocation of single train path, which are submitted during annual Timetable validity period.

Infrastructure Manager is obliged to respond to ad hoc requests as soon as possible and not later than five working days upon receiving the request.

4.5.4 Path Allocation and Coordination Process

IŽS will allocate the infrastructure capacity if the applicant fulfils the conditions for capacity allocation set out in the Network Statement and if the infrastructure capacity allows such allocation. IŽS will act in such a manner so as not to favour any applicant.

The following criteria will be applied in the path allocation process:

- Volume of service;
- Utilization of railway infrastructure;
- Volume of additional services provided by the IM in connection with the transport provided on the path;
- Business reputation;
- Public service obligation; and
- Quality of performed transport service in the previous period.

After the final deadline for submission of requests for the annual timetabling has expired, IŽS will initiate the capacity allocation process in a transparent and non-discriminatory manner. Requests obtained after the final deadline for request submission will not be considered.

Requests for capacity allocation received after the annual timetable drafting cannot affect draft alteration, except with the consent of the Railway Undertaking to whom the capacity has been originally allocated.

Allocated capacity can be used upon conclusion of Access Contract between IŽS and the Railway Undertaking submitting a request for capacity allocation.

Allocated capacity cannot be transferred onto another Railway Undertaking in accordance with the Law on Railways.

Coordination process

Every year at the beginning of the new annual timetabling process, IŽS will conduct consultations with railway undertakings on their plans for the timetable which will come into force in not less than 11 months (x-11). In the course of these consultations, IŽS will inform railway undertakings on major maintenance works, overhaul and modernization of railway infrastructure.

The coordination process is run by IŽS – Department for access to railway infrastructure, which is preparing and publishing the annual Timetable and preparing of all required working materials.

Upon the expiry of the final deadline for submission of requests for capacity allocation for the annual Timetable, IŽS – Department for access to railway infrastructure will start the coordination process, together with railway undertakings for the purposes of solving conflicting requests and their better harmonization, aiming to fulfil the needs of users as much as possible in a non-discriminatory and transparent way.

Timetable planning includes reviewing all received requests, including all restrictions imposed by IŽS and the scheduled infrastructure maintenance plans.

If the number of requests for allocation of the same infrastructure capacity exceeds the permitted capacity of the particular railway line, IŽS apply priority rules from 4.6.

Following the completion of the coordination procedure, IŽS will deliver the draft timetable to railway undertakings. Together with railway undertakings IŽS will perform the final consultations concerning the draft timetable. Railway undertakings must state, in written form, whether they accept, partially or completely, that is, do not accept, the Timetable.

Deadline for making the statement is one month from the day of the draft submission, at the latest.

After the expiry of the deadline for making the statement, IŽS will define the Timetable according to the requests submitted on time and it will be deemed that the train paths have been allocated.

IŽS will subsequently allocate the remaining available capacities according to requests received after the final deadline, in the order of their receipt.

4.5.5 Dispute Resolution Process

IŽS will initiate the dispute resolution process upon delivery of written complaints by railway undertakings, relating to complete or partial acceptance/non-acceptance of the proposed Timetable.

Complaints are to be addressed to IŽS:

- By mail, to the following address:
“Infrastructure of Serbian Railways” JSC
Department for access to railway infrastructure
6, Nemanjina St
11000 Belgrade, Serbia
- By e-mail: sektor.pzi@srbrail.rs

IŽS will evaluate all complaints and objections and conduct consultations with railway undertakings aiming to fulfil their requests.

If a mutual solution is not found, IŽS will determine the capacity and inform the railway undertakings of this. If after the request coordination it is still not possible to satisfy all the requests for capacity allocation, IŽS will be obliged to announce that the said line section is congested.

Railway undertakings can appeal to the Directorate for Railways with respect to IŽS decision.

A potential appeal of a Railway Undertaking cannot be the reason to delay the process of Timetable adoption and coming into force.

4.6 “Congested” Infrastructure

If in the coordination process IŽS is unable to adequately satisfy all railway undertaking requests due to capacity limitations, IŽS will declare the requested infrastructure capacity to be “congested”.

In cases when IŽS declares infrastructure “congested”, it will conduct an analysis of capacities on congested infrastructure and define limitations due to which it was not possible to satisfy capacity allocation requests as well as propose a plan to enhance the particular capacity.

Infrastructure capacity will not be considered congested if the infrastructure capacity cannot be allocated due to the execution of works on the infrastructure maintenance, modernization, construction and reconstruction.

If the number of requests for allocation of the same infrastructure capacity exceeds the permitted capacity of a specific railway line, and if congested infrastructure is declared regarding that line, i.e. the part of that line, IŽS will, in an effort to allocate the train paths, apply priority rules according to the following order:

1) BG: VOZ
2) passenger trains in international traffic
3) passenger trains in domestic traffic
4) international freight trains
5) other freight trains

Considering the above mentioned priorities, the train path allocation process will be carried out according to the following rules:

- Requests for train paths of regular trains have the priority over the requests for train paths of special trains and trains transporting exceptional consignments;
- Requests for train paths according to framework agreements have the priority over new requests;
- Requests for train paths for a longer time period of service have the priority over requests for train paths for a shorter time period;
- Requests for train paths for a longer route have the priority over train paths for a shorter route.

If a Railway Undertaking considers that its rights were withheld, it can appeal to the Directorate for Railways.

4.7. Exceptional Transports and Dangerous Goods

Exceptional Transports

Transport of exceptional consignments is transport in the course of which there is a deviation from at least one technical standard applied on the given infrastructure, such as for example, axle load, railway vehicle gauge, loading gauge and similar. Taking into account all the elements required for the transport of an exceptional consignment, IŽS will decide whether the requested infrastructure capacity will be allocated and under what conditions.

Deadline for submission of request for transport of exceptional consignments is not later than 20 days in domestic and 30 days in international traffic prior to service provision.

Depending on the type of exceptional consignment, request processing may require either a longer or shorter period for processing and for this reason railway undertakings should consult IŽS on the possibility of consignment transport and accordingly submit a request on time. Detailed information can be obtained at the below address. Deadline for capacity allocation will be as soon as possible. IŽS will decide whether it is possible to accept a certain transport and under which conditions.

Requests are submitted:

By mail:

“Infrastructure of Serbian Railways” JSC
Traffic Department
6, Nemanjina St
11000 Belgrade, Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
E-mail: sektor.sp@srbrail.rs

In their request for capacity allocation, railway undertakings are required to list all the necessary information on the exceptional consignment which is being transported, regardless of whether it is a capacity allocation process for the annual Timetable or an ad hoc capacity allocation.

Dangerous Goods Transport

Dangerous goods transport on railway infrastructure operated by IŽS is regulated by international and national regulations in the field of dangerous goods transport, in accordance with point 3.4.4 of the Network Statement.

Based on clauses 1.4.2.2.5 and 1.4.3.6 of *RID* and Article 23, para 4, item 2) and Article 29 para 2 of the Law on Transport of Dangerous Goods, a Railway Undertaking is obliged to report every consignment of dangerous goods to railway Infrastructure Manager.

Reporting of dangerous goods transport can be done by phone: +381 11 3618 288 and in writing to the below address. The below address can be also used for more detailed information:

"Infrastructure of Serbian Railways" JSC
6, Nemanjina St, 11000 Belgrade
Central Operations Unit
Main dispatcher for dangerous goods transport
Tel.: +381 11 3618 288
E-mail: rid1@srbrail.rs; glavni.riddisp@srbrail.rs

For the purposes of safe transport of dangerous goods on IŽS network, a Railway Undertaking is obliged to:

- Report each transport of dangerous goods consignment in real time i.e. immediately before the commencement of transport or at acceptance from the successive carrier.
- Report completion of transport of dangerous goods consignment in real time i.e. at the moment of completion of transport after the completed handover of consignment to the consignee at the destination station or upon handover of consignment to successive carrier.

Railway Undertakings are responsible for obtaining appropriate consents regarding the safety of dangerous goods transport.

Pursuant to clauses 1.4.2.3.1 of *RID* and Article 24 para 2 item 1) of the Law on Transport of Dangerous Goods, the consignee of dangerous goods in railway transport is obliged not to postpone the acceptance of dangerous goods consignment which is resulting in the railway undertaking's obligation not to postpone the handover of dangerous goods consignment after having performed the transport service.

Railway Undertaking is obliged to, after having accepted the dangerous goods consignment for transport at the forwarding station, immediately start the process of transporting the said consignment without any additional delays at the station, except for traffic reasons, accident or incident etc. Phased collecting of wagons loaded with dangerous goods (and non-cleaned empty wagons which were previously loaded with dangerous goods) in the forwarding station for the purposes of subsequent dispatching is prohibited due to the safety in transport of dangerous goods. The process of transport of dangerous goods (acceptance of consignment for transport from the consignor, dispatching, transport and handover of consignment to the consignee) must be performed in accordance with the technologically specified time in order to avoid the potential safety risks in transport.

After the customs clearing of consignment, it is exceptionally permitted for the consignment to remain on station sidings but only for a time period which is necessary to organize the dispatching and continuing of planned transport route, or handover to the consignee in accordance with the specified technological process for station operation i.e. Station Regulations, Part II.

Obligation to announce the transport of dangerous goods Class 1 and Class 7

Exceptionally in transport of dangerous goods Class 1 and Class 7, a Railway Undertaking is obliged to submit to the Infrastructure Manager, in writing (Central Operational Unit – Main dispatcher for transport of dangerous goods) an announcement for the said transport in the time period which is not less than 24 hours prior to the moment of acceptance for transport (entry onto IŽS network). Railway Undertaking may send the

announcement of transport also in the form of an email with scanned documents to the following address: rid1@srbrail.rs.

The announcement should contain the following data and attachments:

1. Consignor
2. Forwarding station and country
3. Consignee
4. Destination station and country
5. Entry border station
6. Exit border station
7. Net quantity of dangerous goods and wagon number in the train loaded with dangerous goods
8. Name of goods (official name of the goods)
9. UN number, number for marking of danger (all, if there are several)
10. Data on persons hired according to the Decision of the Ministry of the Interior of the Republic of Serbia in the capacity of armed company (first and last name, ID document number, etc., from the Decision issued by the Ministry of the Interior of RS)
11. Buffer wagon
12. Number of the decision on transport and name of issuing state authority.

The announcement should also contain two appendices:

- Photocopy of the Decision on transport issued by a relevant state authority, and
- For Class 1 dangerous goods: Instructions on special safety measures (MSDS lists) from the manufacturer of Class 1 dangerous goods;
- For Class 7: instructions on measures that the Railway Undertaking should take in transport, restrictions and required data on planned transport route as well as measures in case of danger that are adequate in relation to the consignment in accordance with RID 5.4.1.2.5.2.

Permit for transport of Class 1 dangerous goods is issued by the ministry responsible for the interior affairs, and permit for transport of Class 7 dangerous goods is issued by the authority responsible for protection against ionizing radiation and nuclear safety in the Republic of Serbia (Article 7 of the Law on Transport of Dangerous Goods). The announcement of transport should also contain the basic data on the Railway Undertaking and the transport organizer if case of irregularities or emergency events in transport of dangerous goods. In terms of data it is mandatory to specify the first name, last name and mobile phone number of the person (employed with the Railway Undertaking and/or transport organizer) who is always available during the transport.

4.8 Rules After Path Allocation

4.8.1 Non-usage of allocated train path

In cases when a Railway Undertaking is not using the allocated train path envisaged by the Timetable, IŽS will, depending upon the non-usage percentage, charge the reservation of train path, that is, IŽS will cancel the allocated train path.

IŽS is monitoring the realization of allocated train paths, in such a way that IŽS is calculating the train path utilization degree for all the allocated train paths.

The utilization degree is calculated by dividing the realized train path number of one train with the allocated train path number of the same train, and the result is shown in percentages.

The degree of utilization of allocated train paths is calculated monthly, for the calendar month.

IŽS reserves the right to cancel the allocated train path if a train path is utilized less than 25% of the monthly quota, that is, less than 50% of the monthly quota in case of congested infrastructure.

For the allocated train paths where the degree of utilization is less than the borderline degree of utilization, IŽS will charge the non-usage of the capacity.

The borderline degree of utilization, according to the type of the trains, is given in the below table 6.

Table No 6. Borderline degree of utilization

Train type	Borderline degree of utilization [%]
Passenger trains	80
Freight trains	40
Facultative trains	10

Facultative train is a train which has set timetable but operates with special announcement (if needed).

Requests for train paths for all other trains will have priority over the request for train paths for facultative trains.

Infrastructure Manager will not grant facultative train paths on congested infrastructure.

In cases when the degree of utilization of the train path is below the borderline degree of utilization, the Infrastructure Manger will charge the full price of the train path for the used train paths, and for the non-used train paths, which represent the difference between the borderline degree of utilization and the degree of utilization of one train path, IM will charge for the reservation of the train path.

The charge for the reservation is 20% of the agreed train path price.

If the train path is not used in its entirety, as agreed in contract, the full price of the train path will be charged, according to the required elements.

4.8.2. Rules of Cancellation

A Railway Undertaking may cancel the allocated train path as part of regular changes and amendments of the Timetable.

Cancellation of allocated train path is done in writing, to the following address:

- By mail:
"Infrastructure of Serbian Railways" JSC
Department for access to the railway infrastructure
6, Nemanjina St
11000 Belgrade, Serbia
- By e-mail: sektor.pzi@srbrail.rs

Cancelled train paths can be allocated to other railway undertakings by IŽS.

4.9. Redesign of the International Timetabling Process (TTR)

4.9.1. Objectives of TTR

RailNetEurope (RNE) and Forum Train Europe (FTE), supported by the European Rail Freight Association (ERFA) are currently working on a Redesign of the International Timetabling Process (TTR). The objective of TTR is to harmonise and improve the European rail timetabling system to significantly increase the competitiveness of railway transports.

TTR consists of different components, including in particular an improved planning of the distribution of infrastructure capacity (including temporary capacity restrictions) and the introduction of new capacity allocation processes.

The purpose is to better serve all market needs and achieve an optimised use of existing infrastructure capacity. In particular for passenger traffic it will mean earlier availability of the final timetable allowing earlier and more reliable ticket purchasing for passengers. For the majority of freight traffic, it will mean more possibilities for short-term path requests and thus more flexibility to better meet customers' needs.

Detailed information can be found on ttr.rne.eu and http://www.forumtraineurope.eu/services/ttr/.

TTR is planned to be fully implemented for the timetable 2025 provided that it is supported by the European and national legal framework.

5. SERVICES AND CHARGES

5.1 Introduction

Serbian legislation defined four types of services which railway undertakings can use with the aim of performing of transport operations on the allocated infrastructure capacity.

Categories of services offered by "Infrastructure of Serbian Railways" JSC to railway undertakings on the network are in line with the provisions of the Law on Railways and defined by the following documents:

- Decision on establishing of Joint Stock Company for Public Railway Infrastructure Management ("Official Gazette of RS" No 60/2015);
- Rulebook on organization and systematization of jobs at Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways";
- Methodology for valuation of elements for determining the charges for the use of railway infrastructure ("Official Gazette of RS" No 122/14).

The services that can be provided to railway undertakings are the following ones:

1. Minimum access package of services (hereinafter: the minimum package of services);
2. Basic services in services facilities including the access tracks to such facilities;
3. Additional services; and
4. Ancillary services.

Until the Government determines the Methodology for determining the price for access and the price for services and, based on it, the specific rules for calculation of the price for access and the price for services provided by the Infrastructure Manager, "Infrastructure of Serbian Railways" will apply the valid Methodology for valuation of elements for determining the charges for the use of railway infrastructure ("Official Gazette of RS" No 122/14), and according to this Methodology, where necessary, classification to the following service categories:

- category I: minimum package of services
- category IIa: package for track access to service facilities
- category IIb: package for provision of services in service facilities
- category III: package for additional services
- category IV: package for ancillary services

IM – "Infrastructure of Serbian Railways" JSC will enable all interested railway undertakings to use the minimum access package of services and track access to services facilities, in a non-discriminatory manner, provided that railway undertakings have fulfilled the requirements for rail transport service in accordance with the provisions of the Law on Railways and the signed Contract for the use of railway infrastructure. Railway Undertaking's requests for the use of facilities and services provided in such facilities may be rejected only if there are realistic alternatives under market conditions. According to the nature of distinction and type of activity, the former notion of service facility can be aligned with the notion of services facility in the entire text.

The use of all services facilities, additional and ancillary services provided by the IM – "Infrastructure of Serbian Railways" JSC - will be enabled to all railway undertakings in a non-discriminatory manner and upon their request, and will be defined in a separate contract.

The use of services facilities not owned by the IM – "Infrastructure of Serbian Railways" JSC, as well as additional and ancillary services not provided by the IM – "Infrastructure of Serbian Railways" JSC, is subject to separate contracts with managers of the said facilities and service providers.

Based on the volume of services provided, as defined in items 5.2 to 5.10, Railway Undertaking pays a price for access and a price for the provided service to:

- "Infrastructure of Serbian Railways" JSC - based on the Contract for the use of railway infrastructure and separate contracts;
- Other service providers – based on separate contracts.

5.2 Charging Principles

The basic principles underpinning the charging regime for the use of infrastructure are set forth in the Methodology for valuation of elements for determining the charges for the use of railway infrastructure ("Official Gazette of RS" No 122/14, dated November 11, 2014). The Methodology is defining, in more detail, valuation of elements for determining the level of charge for minimum package of services and package for track access to service facilities and provision of services in service facilities.

The methodology is based on the principle that railway undertakings should only bear the justified cost of IM operations and the costs arising from the efficient provision of services requested by the users.

This methodology is based on the economic principle of valuation of elements for determining of charge level known as marginal cost plus (MC+). It is a charge setting principle based on marginal costs increased by the mark-up. The selected principle enables covering of justified costs arising in provision of requested services and is favourable for the so called "network systems" (systems that require major capital investments such as telecommunications, energy, natural gas transportation, road transport and other means of transport).

Marginal costs are estimated based on the variable costs which, within the Methodology, include:

short-term marginal costs: track wearing, train movement control and signalling, consumption of energy sources and overheads.

The charge is set based on the following elements: line category (main, regional or local) used by train, use of railway nodes, train category (passenger or freight) and traction type (electrical or diesel).

The components of the total charge include charge for the minimum package of services (category I), charge for track access to service facilities (category IIa), charge for providing the services in service facilities (category IIb), charge for providing the additional services in service facilities (category III) and charge for providing the ancillary services in service facilities (category IV).

5.3 Minimum Access Package and Charges

Minimum access package

Within the minimum package of services for the use of railway infrastructure, IŽS provides the following services:

- Handling of requests for capacity allocation;
- Right to use the allocated capacity;
- Use of infrastructure on the main running track (turnouts, tracks, railway nodes and lines),
- Train control including signalling, regulation of train movements, acceptance and dispatching of trains and communication regarding the train operations and provision of information on train movements;
- Use of electrical supply equipment, where available;
- Provision of all other information to implement or operate the service for which the capacity has been granted.

The access price includes the minimum access package of services. Railway Undertaking will pay an access price to "Infrastructure of Serbian Railways" JSC based on the Contract for the use of public railway infrastructure.

- Handling of requests for infrastructure capacity

Handling of requests for infrastructure capacity allocation is a part of the capacity allocation process described in Chapter 4. Principles, priorities and criteria for allocation of infrastructure capacity. Requests for infrastructure capacity allocation which have been submitted by railway undertakings are processed in mutual cooperation with railway undertakings, implementation possibilities are examined, contradictions resolved and the train path offer is prepared, which ultimately results in a Timetable.

- Right to use the allocated capacity

Provided that all necessary prerequisites for the train operation are in line with valid legal provisions on conditions for access to and use of railway infrastructure specified in Chapter 3 of the present Network Statement, the applicable legislation and the signed Contract for the use of railway infrastructure, Railway Undertaking is entitled to use the allocated capacity in the form of a train path.

- Use of infrastructure on main running track (turnouts, tracks, railway nodes and lines)

Use of infrastructure on main running track (turnouts, tracks, railway nodes and lines) on the allocated capacity enables the Railway Undertaking to perform train operations.

- Train control including signalling, regulation of train movements, acceptance and dispatching of trains and communication regarding the train operations and provision of information on train movements

Overall train traffic management, including signalling, train movement regulation, acceptance and dispatching of trains, communication regarding the train operations and provision of information on train movements using the telecommunication devices enables railway undertakings to perform train operations on the allocated train path.

- Use of electrical supply equipment

On its electrified railway lines IŽS enables a Railway Undertaking to use the electrical supply equipment for traction (without electricity).

- All other information to implement or operate the service for which the capacity has been granted

After the Timetable has been adopted and published, railway undertakings will be provided with all additional information required for the train operations within the minimum access package of services.

Charge for the minimum package of services (category I)

Charges for the minimum package of services for infrastructure access are defined based on the costs of railway traffic management and infrastructure capacities maintenance.

The level of unit charges is determined in relation to line category (main, regional, local), train category (passenger trains, freight trains) and traction type (diesel, electrical).

The charging units are:

1) Train km;
2) Gross tonne km.

Charge for minimum package of services (NKI) is determined according to the following formula:

$$NKI = (\sum VKM_{ijk} \cdot C_{VKM_{ijk}}) + F \cdot (\sum BRTKM_{ij} \cdot C_{BRTKM_{ij}})$$

Key:

i – Line category (main, regional, local)

j – Train category (passenger trains, freight trains)

k – Traction type (diesel, electrical)

$(\sum VKM_{ijk} \cdot C_{VKM_{ijk}})$ - charge for the use of infrastructure capacities for the minimum package of services in relation to line category (i), train category (j) and traction type (k)

VKM_{ijk} - number of train km on the network in relation to line category (i), train category (j) and traction type (k)

$C_{VKM_{ijk}}$ - charge per one train km in relation to line category (i), train category (j) and traction type (k)

F - factor depending on the train category (factor level depends on the train category impact on the level of infrastructure maintenance costs or the applied strategy for development of a particular segment of railway market)

$(\sum BRTKM_{ij} \cdot C_{BRTKM_{ij}})$ - charge for wearing out of line and tracks during train passing in relation to line category (i) and train category (j)

$BRTKM_{ij}$ - number of gross-tonne km on the network in relation to line category (i) and category of the train (j)

$C_{BRTKM_{ij}}$ - charge per one gross-tone km in the function from the line category (i) and train category (j)

The level of charge for the path of one train depends on the train gross mass. Gross-tonne km, in the sense of the calculation of the level of charge for the path of one train, is defined as a product of train km and train gross mass, which implies the total mass of all working locomotives and the total mass of all hauled stock.

Freight trains with electrical traction

Line category	Charge per one train km [RSD/TKM]	Charge per one gross-tonne km [RSD/GTKM]
Main line	93,50	0,0858
Regional line	63,77	0,0781
Local line	10,53	0,0361

Freight trains with diesel traction

Line category	Charge per one train km [RSD/TKM]	Charge per one gross-tone km [RSD/GTKM]
Main line	79,04	0,0858
Regional line	51,24	0,0781
Local line	10,07	0,0361

Passenger trains with electrical traction

Line category	Charge per one train km [RSD/TKM]	Charge per one gross-tone km [RSD/GTKM]
Main line	62,33	0,0686
Regional line	42,51	0,0625

Local line	7,02	0,0289

Passenger trains with diesel traction

Line category	Charge per one train km [RSD/TKM]	Charge per one gross-tone km [RSD/GTKM]
Main line	52,69	0,0686
Regional line	34,16	0,0625
Local line	6,71	0,0289

Factor depending on the train category [F] – applied to all types of freight trains and passenger trains and it amounts to 1.0.

Charge for track access and use of service facilities (categories IIa and IIb)

Charges for track access and use of service facilities are defined based on the costs of railway traffic regulation and infrastructure capacities maintenance.

The level of unit charges is determined in relation to railway node (Subotica, Novi Sad, Beograd, Lapovo, Niš, Pančevo), train category (passenger trains, freight trains) and traction type (diesel, electrical).

The charging units are:

1) Number of trains;
2) Gross tonne km;
3) Number of serviced trains.

The charge is levied for the trains starting and finishing their running in the railway node, that is, transiting the railway nodes, as well as for the trains in railway nodes.

Serviced train is a train to which a service of using the service facilities in a railway node has been provided aiming to use the services of technical-wagon unit in train inspection, maintenance of wagons, railway vehicles and machinery.

Access and use of service facilities (categories IIa and IIb)

Charge for use of infrastructure when the trains are starting and finishing their running in the node, that is, when they are transiting railway nodes (NKIIa), as well as for servicing of the trains in the railway nodes (NKIIb) is determined as follows:

$$NKII = NKIIa + NKIIb$$

Key:

$$NKIIa = (\sum Va_{lmn} \cdot C_{Va\,lmn}) + (\sum BRTKM_{lm} \cdot C_{BRTKM\ lm})$$

$$NKIIb = \sum Vb_{lm} \cdot C_{Vb\ lm}$$

l - Node (Subotica (1), Novi Sad (2), Beograd (3), Lapovo (4), Niš (5), Pančevo (6))

m – Train category (passenger trains, freight trains)

n – Traction type (diesel, electrical)

$(\sum Va_{lmn} \cdot C_{Va\,lmn})$ - charge for the use of infrastructure capacities in the node for the package of services IIa in relation to node (l), train category (m) and traction type (n)

Va_{lmn} - number of trains in the node in relation to node (l), train category (m) and traction type (n)

$C_{Va\,lmn}$ - charge per one train of used infrastructure capacities in the node, in relation to node (l), train category (m) and traction type (n)

$(\sum BRTKM_{lm} \cdot C_{BRTKM\ lm})$ - charge for wearing out of railway line and railway track when using the infrastructure capacities in the node, for package of the services IIa in relation to node (l) and train category (m)

$BRTKM_{lm}$ - number of gross-tonne km in the node, in relation to node (l) and train category (m)

$C_{BRTKM\ lm}$ - charge per one gross-tonne km in the node in relation to node (l) and train category (m)

$\sum Vb_{lm} \cdot C_{Vb\ lm}$ - charge for providing the services of train "servicing" in the node, for package of services IIb, in relation to node (l) and train category (m)

Vb_{lm} - the number of trains which were provided the service (which were "serviced") in the node, in relation to node (l) and train category (m)

$C_{Vb\ lm}$ - charge per one train, "serviced" in the node, in relation to node (l) and train category (m)

Freight trains with electrical traction

Node	Charge for the use of infrastructure capacities in the node per one train [RSD/train]	Charge per one gross-tonne km in the node [RSD/GTKM]
Novi Sad	3.658,76	0,0801
Beograd	4.302,04	0,0894
Lapovo	4.987,87	0,0744
Niš	5.422,50	0,1171
Pančevo	3.257,01	0,0911
Subotica	4.097,11	0,0497

Freight trains with diesel traction

Node	Charge for the use of infrastructure capacities in the node per one train [RSD/train]	Charge per one gross-tonne km in the node [RSD/GTKM]
Novi Sad	3.607,21	0,0801
Beograd	4.145,57	0,0894
Lapovo	4.935,40	0,0744
Niš	5.293,94	0,1171
Pančevo	3.196,24	0,0911
Subotica	3.944,07	0,0497

Passenger trains with electrical traction

Node	Charge for the use of infrastructure capacities in the node per one train [RSD/train]	Charge per one gross-tone km in the node [RSD/GTKM]
Novi Sad	2.439,17	0,0534

Beograd	2.868,03	0,0596
Lapovo	3.325,25	0,0496
Niš	3.615,00	0,0781
Pančevo	2.171,34	0,0607
Subotica	2.731,41	0,0332

Passenger trains with diesel traction

Node	Charge for the use of infrastructure capacities in the node per one train [RSD/train]	Charge per one gross-tone km in the node [RSD/GTKM]
Novi Sad	2.404,81	0,0534
Beograd	2.763,71	0,0596
Lapovo	3.290,27	0,0496
Niš	3.529,29	0,0781
Pančevo	2.130,82	0,0607
Subotica	2.629,38	0,0332

5.4 Additional Services and Charges

Additional services include:

- Supply of electricity for train traction;
- Preheating of the passenger trains, water supply, etc.;
- Modified contracts for the service:

  (1) control of transport of dangerous goods,

  (2) assistance in transport of special trains (exceptional consignments).

Use of the above mentioned services provided by IŽS will be enabled to all railway undertakings that have been allocated a minimum access package of services, in a non-discriminatory manner and upon their request.

Railway undertakings must present the request for the use of additional services in the capacity allocation process, please refer to Chapter 4.

In order to be able to use the above services a Railway Undertaking is obliged to conclude a separate contract with IŽS or with another service provider and pay the charge for provided service in accordance with the provisions of such contract.

More detailed information on provision of additional services can be obtained from IŽS.

“Infrastructure of Serbian Railways” JSC
Department for access to the railway infrastructure
6 Nemanjina St
11000 Belgrade, Serbia
Tel: +381 11 3618 214
Fax: +381 11 3616 814
sektor.pzi@srbrail.rs

The level of charges for additional services provided by Infrastructure Manager is determined based on the costs incurred during the provision of these services.

Charges for using the additional services are applied in a non-discriminatory manner for all the railway undertakings, that is, service users.

When determining the level of prices the time norms for performing of tasks were used in accordance with the Methodology for determining the required number of workers for performing the planned scope of work ("Official Gazette of ŽTP Beograd" 10/85) and the price for hiring of staff according to the Methodology for calculation of labour sales price per effective hour for the employees of „Infrastructure of Serbian Railways" (Decision of the Board of Directors 4/2015-53-17 dated 29.12.2015) and other valid railway regulations and documents.

The prices of additional services are determined in accordance with the Methodology for valuation of elements for determining the charges for the use of railway infrastructure. The levels of prices for additional services are determined as a product of standardized period for service performing and price of effective working hour of staff hired to provide the service, and they are solely based on the actual cost of work incurred during the provision of the particular service or directly determined by means of the Infrastructure Manager's separate decision.

Additional services are provided upon the Railway Undertaking's request, and the prices are applied in a non-discriminatory manner for all railway undertakings. Railway Undertakings will pay such prices according to the actual level of use.

- Supply of electricity for traction and charges

For the service of supply of electricity for traction please refer to:
Electrical Engineering Department
6, Nemanjina St
11000 Belgrade, Serbia
Tel: +381 11 3618 241
Fax: +381 11 3618 130
direktor.etp@infrazs.rs

The prices of traction electricity depend on the prices of electricity determined by the supplier (currently JP Elektroprivreda Srbije), actual consumption costs, gross tonne km and train type. The calculation method is provided in Appendix 9.

- Preheating of the passenger trains

On IŽS network there is a device for preheating of passenger trains installed in Subotica station. "Infrastructure of Serbian Railways" JSC is not providing services of preheating of passenger trains, water supply etc.

More information regarding the preheating of passenger trains are available at"

"Srbija Voz" a.d.
6, Nemanjina St.
11 000 Belgrade, Serbia
Tel: +381 11 3614 811
Fax: +381 11 3614 811

- Services for transport of exceptional consignments and dangerous goods

a) Services for transport of exceptional consignments

IŽS provides the service of transport of exceptional consignments (vehicles or items) according to the provisions for transport of exceptional consignments prescribed under the Regulations on transport of exceptional consignments.

The service involves processing of railway undertaking's request to examine the possibilities for transport in terms of technical aspect and setting of other technical requirements and protective measures for transport of consignments that are not fulfilling the general technical standards for transport on the particular line section, e.g. loading gauge, axle loading etc. Any deviation from the standards is considered to be an exceptional consignment and a special procedure is required. The service involves additional engagement of IŽS's employees in preparation and carrying out of transport of exceptional consignments such as: defining of transport conditions, possible engagement of additional staff for monitoring of transport and inspection of tracks after the transport, possible temporary re-location of trackside facilities and equipment etc.

IŽS is deciding whether it is possible to accept certain transport and under which conditions. It is necessary that for, every individual transport, IŽS and the Railway Undertaking define the scope and specification of needed services.

b) Services for dangerous goods transport

IŽS provides additional services to railway undertakings related to transport of dangerous goods. Control of dangerous goods transport for every individual transport is defined between IŽS and the Railway Undertaking, depending upon the specification of needed services. The availability and method of providing this service on IŽS network will be determined based on the decisions and procedures which will be subsequently prescribed by IŽS.

Charges for services of transport of exceptional consignments and dangerous goods

The unit price of additional services regarding the transport of exceptional consignments and dangerous goods is determined based on the actual costs incurred in provision of such service and unit prices of staff hired from the public railway infrastructure manager according to the price schedule No 4/2019-1328-305 dated 20.02.2019 which is applied in a non-discriminatory manner to all railway undertakings.

Issuing of approvals for transport of exceptional consignments

Operation	Measuring unit	Price in RSD VAT exclusive
Processing of request, issuing of conditions and informing by means of telegramme for the purposes transport of exceptional consignments	Request for transport of exceptional consignment	12.976,00

Accompanying the consignments by professional railway staff, as necessary, according to type and complexity of exceptional consignment transport as set out in the Regulations on transport of exceptional consignments.

Unit price for this service is determined according to effective working hours of hiring of the employee and number of persons accompanying the exceptional consignment.

Operation - operators	Measuring unit	Price in RSD VAT exclusive
Accompanying performed by an employee from traffic department	Effective hour of accompanying	1.844,00

Accompanying performed by an employee from civil engineering department	Effective hour of accompanying	1.339,00
Accompanying performed by an employee from electrical engineering department	Effective hour of accompanying	1.453,00

If the employee accompanying the consignment is entitled to daily allowance for the business trip in the country, the service price should also include the cost of realized daily allowances. The amount of daily allowances is determined in the Collective Agreement of the public railway Infrastructure Manger.

Transport of exceptional consignments with exceeded axle-loading

The unit price for approving the transport of exceptional consignment with exceeded axle-loading is 59,00 RSD/net tonnes VAT exclusive.

5.5 Ancillary Services and Charges

Ancillary services include the following:

1) access to telecommunications network
2) provision of additional information
3) technical inspection of rolling stock
4) ticketing services in passenger stations
5) maintenance services provided in maintenance facilities dedicated to high speed trains or other types of rolling stock requiring specific facilities where the works performed are not a routine daily maintenance and require the vehicle to be withdrawn from service
6) other ancillary services

IŽS reserves the right to decide which of the available ancillary services will be provided and under what conditions. If IŽS is providing a particular service, it will provide it to all railway undertakings under equal conditions in a non-discriminatory manner and upon their particular request.

The charges for ancillary services provided by "Infrastructure of Serbian Railways" JSC will be determined based on the actual costs incurred during the provision of the said service and will be a subject to a separate contract concluded between the interested parties.

- Access to telecommunications network

IŽS provides railway undertakings with the service of access to the telecommunications network in accordance with the market conditions. Railway Undertaking should define, together with IŽS, the scope and specification of required services.

- Provision of supplementary information

IŽS provides, if available, the following supplementary information on the use of railway infrastructure to the railway undertakings:

- Provision of Timetable material (timetable graphs, timetable booklets) prepared and published by IŽS;
- Provision of online access to the Network Statement or submission of hard copy;
- Submission of excerpts from the local regulations of importance for railway transport or other documents.

For any further information the Railway Undertaking should define, together with IŽS, the scope and specification of required services.

- Technical inspection of rolling stock

Technical inspection of rolling stock is performed upon obtaining of license for their use and prior to putting the vehicles into service.

Directorate for Railways prescribes the conditions to be fulfilled by the entities performing the technical inspection of vehicles and the manner for performing of technical inspection.

Only the rolling stock fulfilling the requirements prescribed by the Law on Safety can be included in the train and this is determined by means of a rolling stock inspection.

Railway Undertaking is responsible for proper composition of the train and it is obliged to check whether the train rolling stock is in a proper technical condition. Train composition and distribution of rolling stock in the train must ensure safe train movement and braking.

"Infrastructure of Serbian Railways" JSC is not providing the services of technical inspection of wagons and rolling stock.

- Ticketing services in passenger stations

"Infrastructure of Serbian Railways" JSC is providing the ticketing services in passenger stations according to the special request of interested Railway Undertaking and according to its own capacities and assessment of impact on its staff's basic work process.

- Maintenance services provided in maintenance facilities dedicated to high-speed trains or other types of rolling stock requiring specific facilities

The network operated by "Infrastructure of Serbian Railways" JSC currently does not have any maintenance facilities dedicated to high speed trains or other types of rolling stock requiring specific facilities providing the respective ancillary services.

- Other ancillary services

IŽS provides other ancillary services:

- Staff training and testing.

Staff training and testing

This additional service is provided in case of a request for training and testing of knowledge of the staff of the user of services provided by public railway Infrastructure Manager. The price for training and testing of interested users is determined as follows:

Cpp = Tpo + Tto + Tpz + Tos

This price includes:

- cost of practical training Tpo – performed by minimum one expert from the Infrastructure Manager (familiarizing the candidates with the local conditions and technical capacities);
- cost of theoretical training Tto – perfomed by minimum two lecturers (familiarizing with signalling and traffic regulations, special measures for occupational safety and protection as well as all important normative acts – provisions of station regulations, technological work process etc., and if necessary provisions in connection to the transport of dangerous goods);
- cost of testing Tpz – taking of expert exam regarding the familiarity with railway infrastructure – performed by minimum four members of expert committee (president, 2 examiners from the expert field and 1 examiner on the provisions of measures for occupational safety and protection);

- cost of staff Tos hired for the provision of respective service according to the actual level of realization (daily allowances, travelling expenses, submission of required materials etc.)

The price for this service is determined in accordance with the separate Contract between IŽS and the interested party and specification of costs is provided in a descriptive manner and expressed according to the number of candidates and hired experts from the Infrastructure Manager involved in provision of this service.

5.6 Discounts

"Infrastructure of Serbian Railways" JSC is not approving quantity discounts.

5.7 Efficiency scheme

One of the most important indicators of efficient network operations, both for Railway Undertaking and Infrastructure Manager, is train delay.

Train delays are monitored related to the causes of delays. Accordingly, the delays can be primary and secondary.

Primary delays are all train delays caused by interference or disturbance which led to the delay and that were not caused by delay or cancellation of other train.

Secondary delays are train delays caused by already existing earlier delay.

Overview of primary and secondary causes of train delays is presented in Appendix 7 of the Network Statement.

IŽS keeps a record of movements of all trains on its network and determines the causes of delay.

Delays can be caused by the following:
- Infrastructure Manager,
- Railway Undertaking,
- external factor.

Number of minutes of train delay is determined on the basis of deviation of train actual running time compared to the train running time envisaged by the Timetable.

The compensation for all primary train delays is calculated on the basis of the number of minutes of train delay and charged between IŽS and RU, if agreed under the Contract for the use of railway infrastructure. The reason for this is to motivate the Railway Undertaking and the Infrastructure Manager to minimize the Timetable deviations on the network and to increase the quality of transport service offered to the end users.

The compensation for delay is 0.1% of the charge for the entire train path, for every minute of delay. The total amount of the delay compensation for every individual train can be maximally up to 5% of the charge for the entire train path, for each party responsible.

For the delays of passenger trains less than 10 min per 100 km of allocated train path, that is, for the delays of freight trains of less than 40 min per 100 km of allocated train path, the charging between IŽS and RU is not performed. Calculation is performed solely for the entire train path, not for the particular parts of the path.

For the train paths shorter than 100 km the permitted delay is determined proportionally to the actual path length.

If the Railway Undertaking does not start the train 300 minutes after the prescribed departure according to the Timetable, it will be deemed that the train path of that train has been automatically cancelled for that day.

Train delays, caused by accidents or incidents, in respect of which the responsibility for the delay cannot be determined with certainty without the investigation procedure, will be calculated subsequently.

Delays caused by the external factor arise from the circumstances which are not under influence of the Infrastructure Manager or the Railway Undertaking. Delays caused by the external factor are the delays caused by the force majeure, or the delays caused by the third parties.

5.8 Changes to Charges

Charges for the minimum package of services and track access to service facilities, as well as charges for additional and ancillary services, can be modified depending on the conditions on the market of the railway services, in which case it must be published at least six months in advance.

5.9 Billing Arrangements

Method and time schedule for calculation and payment of charges, as well as instruments for securing the payment, will be determined in detail in the contract between the Infrastructure Manager and the Railway Undertaking.

5.10 Tariff system

IŽS charges fee for the train path allocation procedure costs as follows:

- for the allocation of annual train paths for the 2021/2022 Timetable nor for the allocation of train paths under the requests for amendment of annual 2021/2022 Timetable performed within the deadlines prescribed in Appendix 4.4, IŽS will not charge procedure costs.

- for allocation of train path under the extraordinary request for amendment of the annual timetable amount to 17.137,00 RSD per train path.

- for allocation of ad-hoc train path amount to 12.213,00 RSD per train path.

6. OPERATIONS

6.1 Introduction

The transport operation on the railway infrastructure shall be such manner to ensure the protection of life, property and environment. The railway undertaking operating on the railway infrastructure will be obligated to comply with the regulations and provisions applicable to transport operations on the particular railway infrastructure.

6.2 Operating Rules

The list of applicable regulations and instructions related to operating rules is given in annex 2.

At some locations on the infrastructure and in some cases, there are deviations from the applicable regulations (approved by the Directorate for Railways upon IZS's proposal). The information about this is published by IZS. The relevant address for these regulations, instructions and modifications is:

„Infrastructure of Serbian Railways“ JSC
Traffic Department
6 Nemanjina Street
11000 Belgrade
Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.sp@srbrail.rs

6.3 Operational Measures

In case of traffic disturbances, IŽS, together with Railway Undertakings, will undertake all necessary measures to restore normal operating conditions as soon as possible.

Traffic disturbance will mean congesting of some parts of the network or stations that may occur as a consequence of disturbances occurring in traffic due to any reason.

6.3.1. Principles

In order to solve the traffic disturbances, IŽS will undertake appropriate measures to restore the planned Timetable, while taking into consideration the needs of passengers and users of freight traffic, as well as traffic safety. Aiming to solve the traffic disturbances, IŽS may apply operation rules under 6.3.2., cancel some trains or assign another train path in agreement with a Railway Undertaking, depending on the type of disturbance and expected duration.

In case a longer traffic disruption is expected, IŽS will, in agreement with railway undertakings, prepare an interim timetable for the period until regular operation is restored. IŽS may seek railway undertakings' assistance with the aim of normalizing the traffic operating conditions, even when such railway undertakings are not directly causing the disturbances, which may include using their rolling stock and personnel in order to normalize the traffic.

6.3.2. Operational regulation

For the purposes of restoring the normal traffic flow, the operational rules for railway traffic management will apply as set out in the Law on Safety in Railway Traffic, Traffic Regulations (2), the Instructions on organization and work procedures of operational service in the area covered by “Infrastructure of Serbian Railways” JSC (“Official Gazette of Serbian Railways” No 21/17, 21/18 and 37/18) and other internal documents of IŽS.

In cases when traffic is interrupted on some part of the line due to a defect in the traction means of the RU in order to normalize traffic as soon as possible the IZS operational servise takes operational measures prescribed by article 34 of the internal act Instructions on organization and work procedures of operational service in the area covered by "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 21/17, 21/18 and 37/18).

In case of delays and premature train dispatches, the rule applies that lower-ranking trains may not interfere with movements of higher-ranking trains. A lower-ranking train can be given the priority only if in such a way increase in delays is avoided and the higher-ranking train can make up for the delay on its further route. With same rank trains, priority is given to that train whereof delay might cause it to lose connections in connecting stations. If the connections are not in question, priority is given to that train which has a longer route to its destination station, i.e. which is running on time. Necessary measures to be taken in case of accidents and incidents are defined in the Law on Safety in Railway Traffic, by the Regulations on investigating, recording, statistical monitoring and publishing of data on accidents and incidents ("Official Gazette of RS" No 4/16), Instructions on procedures in case of accidents and incidents (79) and Instructions on procedures in case of accidents and incidents in the area of "Infrastructure of Serbian Railways" JSC ("Official Gazette of ŽS" 52/18). Trains which are taking part in rectifying the disturbances caused as a result of accidents and incidents have the priority (ranking) over all other trains.

6.3.3. Foreseen and Unforeseen problems

Foreseen problems

Necessary measures to be undertaken in cases of foreseen problems such as: technical disturbances of signalling & safety and telecommunication devices, strong wind, natural disasters, snow etc., are governed by Traffic Regulations (2) and other regulations governing the above mentioned.

Unforeseen problems

In very urgent cases, when railway infrastructure is temporarily rendered unavailable for use, IŽS may, without prior notice, cancel train paths for the time period necessary to put the system back in working order. IŽS will notify all interested parties of the resulting situation.

7. SERVICE FACILITIES

7.1. Introduction

Services facility means a facility, including land, buildings and equipment, arranged in a particular manner, as a whole or partially, in order to enable provision and use of basic services provided in such facilities under the non-discriminatory and transparent conditions.

7.2. Service Facilities Overview

Services facilities are:

1) station buildings, i.e. a part of station buildings, in passenger stations, intended for railway passengers, and other facilities used in passenger traffic, including the travelling information displays and the appropriate ticketing points;

2) freight terminals;

3) marshalling yards and train formation tracks, including the shunting tracks;

4) tracks for storing intended for railway undertakings' vehicles using the allocated infrastructure capacity;

5) maintenance facilities, with the exception of maintenance facilities for high speed trains or other types of rolling stock requiring specific facilities where the works performed are not routine works performed as a part of daily activities and require withdrawal of vehicle from service;

6) other technical facilities, including the cleaning and washing facilities;

7) inland waterways port facilities connected to railway activities;

8) facilities for provision of assistance;

9) facilities for fuel storing and supplying for which the prices are presented separately.

7.3. Service Facilities Managed by IŽS

IŽS will enable all railway undertakings, which have been granted the minimum access package of services for the use of infrastructure, to use all the services facilities managed by it in a non-discriminatory manner and upon their request.

7.3.1. Common Provisions

IŽS will enable all the railway undertakings with minimum access package of services to have track access to all the above mentioned services facilities in a non-discriminatory manner and upon their request, provided that railway undertakings have previously entered into a contract on the use of these facilities with facility managers and service providers.

Railway undertakings have to state the need to have track access to service facilities and to use them during the capacity allocation procedure, please refer to Chapter 4.

For the service of track access to service facilities, Railway Undertaking will be obliged to pay a charge to the IŽS based on the Contract for the use of infrastructure.

7.3.2 Use of station buildings in the function of passenger traffic

Appendix 6 contains an overview of locations where passengers may board/get off the train.

The stations along the narrow gauge lines are used for passenger service only.

"Infrastructure of Serbian Railways" will enable the use of station buildings, i.e. the part of station buildings, in passenger stations in the areas intended for railway passengers and of other facilities used for passenger

traffic, including the travel information display and adequate location for ticketing services to all railway undertakings in a non-discriminatory manner and upon their request.

The use of parts of service points (station buildings, stops) and other facilities required for acceptance and dispatching of passengers also includes use of platforms and other surfaces required for access of passengers in them, as well as other areas enabling passenger movements between public road surfaces and the train.

The use of travel information displays includes the use of all existing visual information facilities already installed in individual stations.

Upon request of a Railway Undertaking IŽS will, where possible, provide a suitable area for the ticketing services.

7.3.3 Freight Terminals

The term "freight terminals" on the railway network operated by Serbian Railways Infrastructure (IŽS), means all the railway service points used for freight operations where loading and unloading as well as transhipment operations are carried out.

The following types of terminals are distinguished: stations and transport forwarding, terminals for intermodal freight transport, port terminals.

Overview of services facilities for freight operations is presented in Appendix 6.

Combined transport on railway network can be performed at terminals for combined transport and at port terminals.

Table No 7: Stations connected to freight terminals

No	Railway station connected to the terminal	Freight terminal for combined transport	Address of freight terminal for combined transport	Terminal operator
1.	Beograd Ranžirna (Belgrade Marshalling Yard)	ŽIT Beograd	Beograd Ranžirna, Železnik, Lole Ribara 2.	„ŽIT Beograd” d.o.o., Beograd, Železnik, Lole Ribara 2
2.	Beograd Donji Grad	Luka (Port) Beograd	Beograd, Žorža Klemansoa 37.	„Luka Beograd” a.d., Beograd, Žorža Klemansoa 37
3.	Surčin	Nelt	Beograd, Dobanovci, Maršala Tita 206.	„Nelt Co” d.o.o., Beograd
4.	Novi Sad Ranžirna (Novi Sad Marshalling Yard)	Luka (Port) Novi Sad	Novi Sad, Carinska 1.	„Luka Novi Sad” a.d., Novi Sad, Carinska 1
5.	Pančevo Varoš	Luka (Port) Dunav	Pančevo, Luka Dunav 1.	„Luka Dunav Pančevo” a.d., Pančevo, Luka Dunav 1
6.	Smederevo	Luka (Port) Smederevo	Smederevo, Radinac b.b.	„Luka Dunav – Železara Smederevo” d.o.o., Smederevo, Radinac b.b.
7.	Prahovo Pristanište	Luka (Port) Prahovo	Prahovo, Radujevački put b.b.	„Luka Prahovo IHP Prahovo–Krajina” d.o.o., Prahovo, Radujevački put b.b.
8.	Senta	Luka (Port) Senta	Senta, Pristanišna 1.	„Luka Senta” a.d., Senta, Pristanišna 1

9.	Sremska Mitrovica	Luka (Port) Leget	Sremska Mitrovica, Jarački put 10.	„RTC Luka Leget" a.d., Sremska Mitrovica, Jarački put 10
10.	Šabac	Luka (Port) Zorka Šabac	Šabac, Narodnih heroja 1.	„Zorka transporti" d.o.o., Šabac, Narodnih heroja 1

IŽS does not operate nor provide services in any freight terminal within the meaning of its definition of an arranged and organized area where the receiving, storage, preparation, transhipment and dispatching of various types of goods is carried out.

For detailed information on the services provided by the freight terminal operator or the service provider, the following entities should be contacted:

1) Železnički integralni transport Beograd - **ŽIT BEOGRAD d.o.o.**
Addresses: Beograd Ranžirna (Belgrade Marshalling Yard), Lole Ribara 2 Železnik, Belgrade and Hajduk Veljkov Venac 4/1
11000 Belgrade, Serbia
Tel: +381 (0)11 361- 6844, +381 (0)11 361 - 6842, +381 (0)64 810-6640.

2) **„Nelt Co." d.o.o.** Beograd
Addressa: Maršala Tita 2016, 11272 Dobanovci, Belgrade
Tel: +381 (0)11 3779-143, office@nelt.com, www.neltlsp.com

Information on the service facility managed by Nelt Co, ie the industrial track that is part of the Nelt terminal is given in Annex 3.10.a.

IŽS however provides the use of service points open for freight traffic, in accordance with Appendix 6 of this document, for loading, unloading and transhipment to all railway undertakings in a non-discriminatory manner and upon their request.

7.3.4 Marshalling Yards and Train Formation Facilities, including Shunting Facilities

Freight trains forming yards

Freight train formation yards are places where trains may be split or joined and such stations are called marshalling and distribution yards. On IŽS network there are the following marshalling yards: Novi Sad Ranžirna, Beograd Ranžirna, Lapovo Ranžirna and Niš Ranžirna. Beside marshalling and distribution yards, train formation can be performed in other stations depending of available capacities of stations and planned volume of traffic. In addition to distribution and shunting stations, it is possible to form freight trains in other stations depending on:

- station availability for work with freight,
- available infrastructure capacity,
- staff availability,
- planned traffic volume.

Overview of distribution stations-section for freight trains operation

Distribution station	Distribution section	Comments
1	2	3
BEOGRAD MARSHALLING YARD	Beograd Marshalling Yard - Novi Sad Marshalling Yard [1)] Beograd Marshalling Yard - Pančevo Main St. Beograd Marshalling Yard – Ruma Beograd Marshalling Yard - Lapovo Marshalling Yard Beograd Marshalling Yard – Požega	

	Beograd Marshalling Yard – Požarevac Beograd Marshalling Yard – Smederevo	
BOGOJEVO	Bogojevo- Novi Sad Marshalling Yard Bogojevo – Sombor Bogojevo - Erdut (HŽI)	Bogojevo station has the role of distribution station only for international freight trains (there is no posibility of forming freight trains in internal traffic, only traction could be changed and exceptionally train composition corrected). In the internal traffic Bogojevo station is a station for changing direction of trains running on the section Sombor – Odžaci
BOR FREIGHT STATION	Bor freight station – Požarevac Bor freight station – Zaječar Bor freight station - Prahovo pristanište	
BIJELO POLJE (ŽICG)	B. Polje (ŽICG) - Vrbnica - Prijepolje freight station	
BRASINA	Brasina – Ruma Brasina – Zvornik Brasina - Zvornik Novi (ŽRS)	Brasina station has the role of distribution station only for international freight trains (there is no posibility of forming freight trains in internal traffic, only traction could be changed and exceptionally train composition corrected). Organisation of loco traffic on the section Brasina – Zvornik
VRŠAC	Vršac - Pančevo Main St. Vršac - Stamora Moravita (CFR SA)	
DIMITROVGRAD	Dimitrovgrad - Niš Marshalling Yard	Dimitrovgrad station has the role of distribution station only for international freight trains (there is no posibility of forming freight trains in internal traffic, only traction could be changed and exceptionally train composition corrected). Organisation of loco traffic in its respective area.
ERDUT (HŽI)	Erdut (HŽI) – Bogojevo	
JIMBOLIA (CFR)	Jimbolia (CFR SA)- Kikinda	if applicable
ZAJEČAR	Zaječar - Niš Marshalling Yard Zaječar - Prahovo pristanište Zaječar - Bor freight station	
ZVORNIK NOVI (ŽRS)	Zvornik Novi (ŽRS) – Brasina	
ZRENJANIN	Zrenjanin – Kikinda Zrenjanin - Pančevo Main St. Zrenjanin - Novi Sad Marshalling Yard Zrenjanin – Senta	
KELEBIA (MAV ZRT)	Kelebia (MAV ZRT**)** - Subotica	
KIKINDA	Kikinda – Zrenjanin Kikinda – Senta Kikinda - Jimbolia (CFR SA)	
KOSOVO POLJE	Traffic is temporarily regulated by	

FREIGHT STATION	UNMIK railways	
KRALJEVO	Kraljevo - Lapovo Marshalling Yard Kraljevo – Požega Kraljevo – Stalać Kraljevo – Rudnica	 for both directions
LAPOVO MARSHALLING YARD	Lapovo Marshalling Yard - Beograd Marshalling Yard Lapovo Marshalling Yard – Smederevo Lapovo Marshalling Yard – Resavica Lapovo Marshalling Yard - Niš Marshalling Yard Lapovo Marshalling Yard - Kraljevo Lapovo Marshalling Yard - Požarevac Lapovo Marshalling Yard – Ostružnica - (Ruma)[5)] Lapovo Marshalling Yard - Resnik-Pančevo Main St.[3)]	
LAPOVO	Lapovo - Niš Marshalling Yard Lapovo - Ostružnica - (Ruma) [4)] Lapovo - Resnik - (Pančevo Main St.) [5)]	for certain trains
NIŠ MARSHALLING YARD	Niš Marshalling Yard - Dimitrovgrad Niš Marshalling Yard – Zaječar[4)] Niš Marshalling Yard – Preševo Niš Marshalling Yard - Kuršumlija Niš Marshalling Yard - Lapovo Marshalling Yard Niš Marshalling Yard - Lapovo	 for both directions for certain trains
NOVI SAD MARSHALLING YARD	Novi Sad Marshalling Yard -Beograd Marshalling Yard [1)] Novi Sad Marshalling Yard – Ruma[9)] Novi Sad Marshalling Yard - Subotica freight station Novi Sad Marshalling Yard - Bogojevo Novi Sad Marshalling Yard - Pančevo Main St. Novi Sad Marshalling Yard - Zrenjanin Novi Sad Marshalling Yard - Rimski Šančevi - Bečej	
PANČEVO MAIN STATION	Pančevo Main St. - Beograd Marshalling Yard Pančevo Main St. – Pančevo Vojlovica Pančevo Main St. - Novi Sad Marshalling Yard Pančevo Main St. - Zrenjanin Pančevo Main St. – Vršac Pančevo Main St. - Ruma [7)] Pančevo Main St. - Resnik - (Lapovo Marshalling Yard) [6)] Pančevo Main St. - Resnik - (Lapovo) [5)] Pančevo Main St. - Resnik - (Požega) [8)] Pančevo Main St. - Beograd Dunav	 if applicable, for both directions
PEĆ	Traffic is temporarily regulated by UNMIK railways	
POŽAREVAC	Požarevac –Bor freight station Požarevac – Smederevo Požarevac - Lapovo Marshalling Yard Požarevac - Beograd Marshalling Yard [2)]	
POŽEGA	Požega – Kraljevo Požega - Prijepolje freight station Požega - Beograd Marshalling Yard Požega - Resnik - (Pančevo Main St.) [8)] Požega - Ostružnica - (Ruma) [9)]	
PRAHOVO PRISTANIŠTE	Prahovo pristanište - Zaječar Prahovo pristanište - Bor freight station	
PREŠEVO	Preševo - Niš Marshalling Yard	Preševo station has the

	Preševo - Tabanovci (IŽRSM)	role of distribution station only for international freight trains (there is no posibility of forming freight trains in internal traffic, only traction could be changed and exceptionally train composition corrected).
PRIJEPOLJE FREIGHT STATION	Prijepolje freight station - Požega Prijepolje freight station - Vrbnica - Bijelo Polje (ŽICG)	
PRIZREN	Traffic is temporarily regulated by UNMIK railways	
RESNIK	Resnik - Lapovo Marshalling Yard [3)] Resnik - Lapovo [5)] Resnik - Pančevo Main St. [10)]	
RUMA	Ruma - Pančevo Main St. [7)] Ruma - Ostružnica - Lapovo Marshalling Yard [2)] Ruma - Ostružnica - Lapovo [4)] Ruma - Beograd Marshalling Yard Ruma - (Beograd Marshalling Yard) Ostružnica-Lapovo Marshalling Yard [2)] Ruma – Novi Sad Marshalling Yard [6)] Ruma – Brasina Ruma – Šid Ruma – Šabac Ruma - Ostružnica - (Požega) [9)]	
ROSKE (MAV ZRT)	**Rozske** (MAV ZRT**)** - Horgoš - Subotica	if applicable
SENTA	Senta - Subotica freight station Senta – Kikinda Senta – Zrenjanin	for both directions
SMEDEREVO	Smederevo - Lapovo Marshalling Yard Smederevo - Požarevac Smederevo - Beograd Marshalling Yard	. .
SOMBOR	Sombor - Subotica freight station Sombor – Bogojevo Sombor - Vrbas	for both directions
STALAĆ	Stalać - Kraljevo Stalać - Kruševac	for both directions
SUBOTICA FREIGHT STATION	Subotica freight station - Novi Sad Marshalling Yard Subotica freight station - Sombor Subotica freight station-Horgoš - Roszke (MAV Zrt) Subotica freight station-Subotica-Kelebia (MAV Zrt) Subotica freight station – Senta	if applicable
STAMORA MORAVITA (CFR SA)	**Stamora Moravita (CFR SA)** - Vršac	
TABANOVCI (IŽRSM)	**Tabanovci (IŽRSM)** - Preševo	
TOVARNIK (HŽI)	**Tovarnik (HŽI) - Šid**	
ĐENERAL JANKOVIĆ	Traffic is temporarily regulated by UNMIK railways	
ŠABAC	Šabac - Ruma	
ŠID	Šid - Tovarnik (HŽI) Šid - Ruma	Šid station has the role of distribution station only for international freight

		trains (there is no posibility of forming freight trains in internal traffic, only traction could be changed and exceptionally train composition corrected). Organisation of loco traffic in its respective area and on section Šid – Kukujevci-Erdevik.

1) during permanent closure of part of the Stara Pazova - Novi Sad, traffic of freight trains is organized by alternative transport way Beograd Marshalling Yard - Pančevo Main st.- Tomaševac - Novi Sad Marshalling Yard
2) for trains in transit trough Belgrade Junction, that runs on Lapovo Marshalling Yard – Ruma railway line
3) temporarily, during permanent closure of part of the Stara Pazova - Novi Sad railway line, for freight trains in transit trough Belgrade Junction, that runs on Lapovo Marshalling Yard - Pančevo Main st.
4) only for freight trains in transit trough Lapovo and Belgrade Junction, that runs on Lapovo – Ruma railway line
5) temporarily, during permanent closure of part of the Stara Pazova - Novi Sad railway line, for freight trains in transit trough Lapovo and Belgrade Junction, that runs on Lapovo - Pančevo Main st. railway line
6) during permanent closure of part of the Inđija - Golubinci line, there is no organized traffic of freight trains
7) optionally, only for trains in transit trough Belgrade Junction, that runs on Pančevo Main st. – Ruma railway line
8) temporarily, during permanent closure of part of the Stara Pazova - Novi Sad railway line, for freight trains in transit trough Belgrade Junction, that runs on Pančevo Main st. – Požega railway line
9) only for freight trains in transit trough Belgrade Junction, that runs on Požega – Ruma railway line
10) temporarily, during permanent closure of part of the Stara Pazova - Novi Sad railway line, for freight trains in transit trough Belgrade Junction, that runs on Požega - Pančevo Main st., Lapovo Marshalling Yard - Pančevo Main st. or Lapovo - Pančevo Main st.

Passenger trains forming yards

All railway stations on the railway network on which passenger transport operations are taking place can be passenger train formation yards. For detailed information on the passenger train formation yards please contact IŽS.

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Traffic Department
6 Nemanjina Street
11000 Belgrade, Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
sektor.sp@srbrail.rs

Overview of distribution stations-section for passengers trains operation

Distribution station	Distribution section	Comments
1	2	3
BEOGRAD CENTAR	Beograd Centar – Novi Sad[1)] Beograd Centar - Ruma Beograd Centar – Pančevo Main st. Beograd Centar - Požega Beograd Centar - Lapovo Beograd Centar – Lapovo –Niš [2)] Beograd Centar – Požarevac	
BIJELO POLJE (ŽICG)	Bijelo Polje (ЖИЦГ) - Vrbnica - Prijepolje freight station	
BOGOJEVO	Bogojevo - Sombor Bogojevo - Novi Sad Bogojevo - Erdut (HŽI)	
VRŠAC	Vršac - Pančevo Main st. Vršac - Stamora Moravita (CFR SA)	

ERDUT (NŽI)	Erdut (NŽI) – Bogojevo	
DIMITROVGRAD	Dimitrovgrad – Niš	
JIMBOLIA (CFR SA)	Jimbolia (CFR SA) - Kikinda	if applicable
ZAJEČAR	Zaječar – Niš[4)] Zaječar - Prahovo pristanište Zaječar – Požarevac	
ZVORNIK	Zvornik - Ruma	if applicable
ZRENJANIN	Zrenjanin - Kikinda Zrenjanin - Novi Sad Zrenjanin - Pančevo Main st. Zrenjanin - Senta	if applicable if applicable
KELEBIA (MAV ZRT)	Kelebia (MAV) - Subotica	
KIKINDA	Kikinda - Jimbolia (CFR) Kikinda - Zrenjanin Kikinda - Senta	if applicable
KRALJEVO	Kraljevo - Kosovo Polje[3)] Kraljevo - Lapovo Kraljevo - Požega Kraljevo – Stalać	
KURŠUMLIJA	Kuršumlija - Kosovo Polje[4)] Kuršumlija - Niš	
LAPOVO	Lapovo - Kraljevo Lapovo - Niš Lapovo - Beograd Centar Lapovo - Smederevo Lapovo - Resavica	if applicable for both directions
NIŠ	Niš - Lapovo Niš - Lapovo - Beograd Centar[2)] Niš - Preševo Niš - Dimitrovgrad Niš – Zaječar[4)] Niš - Kuršumlija Niš - Niš Marshalling Yard [5)]	
NOVI SAD	Novi Sad – Beograd Centar[1)] Novi Sad - Subotica Novi Sad - Bogojevo Novi Sad - Vrbas Novi Sad - Zrenjanin Novi Sad - Pančevo Main st. Novi Sad – Ruma[6)]	if applicable if applicable
PANČEVO MAIN STATION	Pančevo Main st. - Zrenjanin Pančevo Main st. - Vršac Pančevo Main st. - Pančevo Vojlov. Pančevo Main st. – Beograd Centar Pančevo Main st. – Novi Sad	for both directions if applicable
POŽAREVAC	Požarevac - Lapovo Požarevac - Smederevo Požarevac - Zaječar Požarevac – Beograd Centar	
POŽEGA	Požega - Beograd Centar Požega - Kraljevo Požega - Prijepolje freight station Požega - Užice	for both directions

PRAHOVO PRISTANIŠTE	Prahovo pristanište - Zaječar	
PRIJEPOLJE FREIGHT STATION	Prijepolje freight station - Vrbnica - Bijelo Polje (ŽICG) Prijepolje freight station - Požega	
PREŠEVO	Preševo - Niš Preševo – Tabanovci (IŽRSM)	
RUMA	Ruma - Šabac - Zvornik Ruma - Šid Ruma - Beograd Centar Ruma – Novi Sad[6)]	
ROSZKE (MAV ZRT)	Roszke (MAV Zrt)-Horgoš- Subotica	if applicable
SENTA	Senta – Subotica Senta - Kikinda Senta - Zrenjanin	for both directions
SMEDEREVO	Smederevo - Lapovo Smederevo - Požarevac	
SOMBOR	Sombor - Subotica Sombor - Bogojevo Sombor - Vrbas	for both directions
STALAĆ	Stalać - Kraljevo Stalać - Jagodina	for both directions
STAMOR MORAVITA (CFR SA)	Stamora Moravita (CFR SA) - Vršac	
SUBOTICA	Subotica - Novi Sad Subotica – Senta Subotica - Sombor Subotica – Kelebia (MAV Zrt) Subotica - Horgoš - Roszke (MAV Zrt)	if applicable
TABANOVCI (IŽRSM)	Tabanovci (IŽRSM) - Preševo	
TOVARNIK (HŽI)	Tovarnik (HŽI) - Šid	
ŠABAC	Šabac - Ruma	
ŠID	Šid - Ruma Šid – Tovarnik (HŽI)	

1) during permanent closure of part of the Stara Pazova – Novi Sad railway line there is no organized traffic of passenger trains
2) for agency trains
3) to Zvečan, in both directiona
4) to Merdare, in both directions
5) for trains via station Crveni Krst or via Junction Most, in both directions
6) during permanent closure of the Stara Pazova – Novi Sad railway line there is no organized traffic of passenger trains

"Infrastructure of Serbian Railways" will enable all railway undertakings to use the marshalling yards and train formation tracks, including shunting tracks, in a non-discriminatory manner and upon their request.

Their use means the use of track capacities and turnouts, including the signalling and interlocking equipment, as well as the use of catenary (when required) and any other special facilities according to local conditions.

Shunting

Stations providing the shunting services are: Novi Sad Marshalling Yard, Ruma, Belgrade Marshalling Yard, Pancevo main St., Mala Krsna, Radinac and Niš Marshalling Yard. In the above stations shunting can be performed by IŽS shunting staff.

IŽS is providing the services of provision of shunting staff if this is envisaged by virtue of a special contract between IŽS and railway undertaking.

Unit price for the service for provision of shunting staff is set forth based on the actual costs incurred based on the necessary technological process of shunting upon the railway undertaking's request and according to unit prices of staff hired from the public railway infrastructure manager in line with the price schedule No 4/2019-1328-305 dated 20.02.2019 which is applied in a non-discriminatory manner to all railway undertakings.

Shunting by means of shunting or train locomotive

Type of operation and hired shunting team	Measuring Unit	Price in RSD/MU VAT exclusive
Shunting of wagons without special shunting conditions		
1 shunting operator from RU + 1 shunter	1 wagon	74,00
1 shunting operator from RU + 2 shunters	1 wagon	148,00
1 shunting operator+ 1 shunter	1 wagon	152,00
1 shunting operator+ 2 shunters	1 wagon	226,00
shunting of wagons with special shunting conditions for the respective service point (cautious, repairs, exceptional consignments, military transports)		
1 shunting operator from RU + 1 shunter	1 wagon	163,00
1 shunting operator from RU + 2 shunters	1 wagon	299,00
1 shunting operator+ 1 shunter	1 wagon	335,00
1 shunting operator+ 2 shunters	1 wagon	457,00

Shunting operations in marshalling and train formation in stations

Operation type	Traffic staff work by operations	Measuring unit	Price in RSD, VAT exclusive
Prior operations	• uncoupling of train locomotive from the train • preparation of shunting composition for marshalling (air discharge, decoupling of semi-couplings and coupling loosening)	1 train (in arrival)	598,00
Main and final operations	• transferring of shunting locomotive to shunting composition and coupling • pushing and marshalling of shunting composition via the processing facility (hump/shunting track) • closing up and coupling of wagons	1 train/composition (marshalled via processing facility)	1.733,00

Remark: Removal of tail light from trains in arrival i.e. coupling of train locomotive and placing of tail light to trains in dispatching is performed by the qualified staff from the railway undertaking at train formation stations.

7.3.5 Storage Sidings

IŽS network has the capacities for storing of rolling stock. Rolling stock storing services are provided by the IŽS.

Storing of standard passenger train sets is usually carried out in departure stations for passenger service, on the tracks designated for that specific purpose.

Storing of DMUs, EMUs and locomotives is carried out in all depots for accommodation and storing of rolling stock of “Serbia Cargo” JSC and “Serbia Voz” JSC.

Storing of freight wagons is carried out mainly on special storage sidings for surplus freight wagons at marshalling yards and some other major stations.

IŽS is not responsible for any damage, which can occur on the rolling stock, that is, on the goods which is located in the stored wagons.

"Infrastructure of Serbian Railways" provides the service of stabling of rolling stock to all interested railway undertakings which require stabling of rolling stock, in a non-discriminatory manner and upon their request, and to the extent permitted by the infrastructure capacities.

7.3.6 Maintenance facilities

There are rolling stock maintenance facilities on IŽS network, but the maintenance services are not provided by "Serbian Railways Infrastructure" JSC. Appendix 3.10. contains the details on the rolling stock maintenance facilities.

7.3.7 Other Technical Facilities, Including Cleaning and Washing Facilities

"Infrastructure of Serbian Railways" provides the following basic services at technical facilities to railway undertakings in a non-discriminatory manner and upon their request:

- Use of wagon scales in stations, where available, according to table 8 of this document;
- Fixed facilities for test braking in station Beograd Ranžirna (Belgrade Marshalling Yard);
- Use of freight loading/unloading ramp;
- Use of ramp for loading and unloading of accompanied cars;
- Use of loading clearance;
- Use of portal crane in Aleksinac station;

The need for using the basic services listed in bullets 1, 3, 4 and 5 must be presented by railway undertakings in the capacity allocation process, whereas the need for other services can be presented in a separate request.

More detailed information on provision of the above stated basic services can be obtained at:

"Infrastructure of Serbian Railways" JSC
Traffic Department
6, Nemanjina St
11000 Belgrade, Serbia
Tel.: +381 11 3618 214
Fax: +381 11 3616 814
E-mail: sektor.sp@srbrail.rs

"Infrastructure of Serbian Railways" does not have the special facilities and does not provide the services of rolling stock cleaning and washing.

Wagon scales

The list of stations in which are located wagon scales is given in the Table 8.

Table No. 8: Wagon scales

No.	Station	Carrying Capacity (t)	Length of weigh bridge (m)	NOTE:
1	Sid	100	20	Wagon scale is electronic.
2	Novi Sad Marshalling Yard	100	20	Wagon scale is electronic.
3	Pancevo main st.	100	20	Wagon scale is electronic.
4	Vrsac	100	20	Wagon scale is electronic.
5	Zrenjanin Factory	100	20	Wagon scale is mechanic.

6	Subotica Freight St.	100	20	Wagon scale is electronic.
7	Sombor	100	20	Wagon scale is mechanic.
8	Nis Marshalling Yard	100	20	Wagon scale is electronic.
9	Pozega	100	20	Wagon scale is electronic.
10	Cacak	80	15.5	Wagon scale is electronic.
11	Lapovo Marshalling St.	100	20	Wagon scale is electronic.
12	Belgrade Marshalling Yard	100	18	Wagon scale is electronic.
13	Dimitrovgrad	100	20	Wagon scale is electronic.

Fixed installations for brake control

Fixed installations for brake control are located at Beograd Marshalling Yard.

Cleaning and washing facilities

IŽS does not have special facilities for cleaning and washing of railway vehicles. The type, volume and place of cleaning of railway vehicles for passenger service are determined by the railway undertaking.

Other technical facilities

- **Ramps for loading and unloading of the load**

"Serbian Railways Infrastructure" JSC will enable usage of the ramps for loading and unloading of the load to all railway undertakings on the non-discriminatory way and upon their request. The need for usage of the ramps for loading and unloading of the load must be shown by the railway undertakings' in the capacity allocation procedure.

- **Ramps for loading and unloading of the accompanied vehicles**

Loading/ unloading ramps for transport of accompanied vehicles are located in stations Topcider, Novi Sad, Subotica and Nis. In case of traffic interruption and need for unloading or reloading of the accompanied vehicles on the railway line (Belgrade) - Resnik - Vrbnica – State border, in railway stations/stops Valjevo, Požega, Užice freight and Prijepolje freight, there are ramps for reloading. The need for usage of the ramps for loading and unloading of the accompanied vehicles must be shown by the railway undertakings in the capacity allocation procedure.

- **Loading gauge**

Loading gauges are present at the following stations on the network: Novi Sad Marshalling Yard, Vrsac, Cacak, Pozega, Dimitrovgrad, Josanicka Banja and Kragujevac.

On IZS network there are more stations with loading gauge which are not in function currently. The correction of the list of loading gauges will be done upon putting malfunction loading gauges into the functional condition.

- **Crane portal in Aleksinac**

Transfer station of territory of IZS is Aleksinac. Mobile portable crane PD 86 with capacity up to 32 t is used for transhipment.

Service for using of wagon scales

"Infrastructure of Serbian Railways" JSC is providing the service of using the wagon scales. The amount of the price depends on whose shunting staff is hired during the use of wagon scales.

Station (wagon scales location)	Hiring of shunting staff	Price for the use of wagon scales [RSD/wagon VAT exclusive]
Beograd ranžirna, Novi Sad ranžirna, Niš ranžirna and Pančevo Glavna	From Infrastructure Manager	4.426,00
Šid, Vršac, Zrenjanin fabrika, Subotica teretna, Sombor, Požega, Čačak, Lapovo ranžirna and Dimitrovgrad	From Railway Undertaking	3.309,00

Service of loading and unloading using the portal crane in Aleksinac station

The service of loading and unloading using the portal crane together with the staff of public railway Infrastructure Manager is defined by means of a separate contract concluded between the public railway Infrastructure Manager and the Railway Undertaking, i.e. the user of the said service.

Unit price for the use of portal crane for loading and unloading amounts to 150,00 RSD/net tonne of goods VAT exclusive.

IŽS is providing other basic services if required by the railway undertaking and subject to a special contract. Other basic services that can be provided are:

- manning of facilities

Manning of unmanned service points

Structure of manning of non-manned service points, upon the railway undertaking's request, consists of:

- manning of service points of public railway infrastructure manager upon the railway undertaking's request in function of traffic management or shunting movements in such service points outside the working hours for such service point, and

- manning of service points of the railway undertaking upon its request in function of traffic management or shunting movements in such service points because the railway undertaking does not possess adequate traffic staff.

Charge for manning of service points by traffic staff amounts to:

Work place	Train dispatcher	Switch operator
Price in RSD/hour VAT exclusive	**1.236,00**	**955,00**

Calculation for periods of manning of non-manned service points starts from the moment of takeover of service at the service point until the moment of handover of service for the purposes of train operation i.e. shunting movement of railway undertaking's train set, and in case of temporarily manned stations (station working hours with interruption) not taking into account the period when the station is manned during the working hours according to the timetable booklet.

In the stations where it is necessary to perform manning with the train dispatcher and the switch operator, the manning period is the same for both employees given the responsibility of both worker during the setting up of a train route.

7.3.8 Maritime and Inland Port Facilities

The following ports are connected to public railway network:

- Port area Belgrade
  Operator: Port of Belgrade, www.lukabeograd.com
- Port area Novi Sad
  Operator: DP World AD Novi Sad, www.lukanovisad.rs
  NIS AD Novi Sad, www.nis.eu
- Port area Smederevo
  Operator: HBIS GROUP Serbia Iron & Steel d.o.o. Beograd, www.hbisserbia.rs
  TOMI TRADE d.o.o. Smederevo, www.tomitrade.co.rs
  NIS AD Novi Sad, www.nis.eu
  Mitan Oil d.o.o, mitanoil.rs

- Port area Pančevo
  Operator: Port „Dunav" AD Pančevo
  NIS AD Novi Sad, www.nis.eu
  Granexport d.o.o.www.granexport.rs
  Special port d.o.o. www.specijalnaluka.rs
- Port area Prahovo
  Operator: PD Elixir Prahovo, https://www.elixirprahovo.rs
  NIS AD Novi Sad, www.nis.eu
- Port area Senta
  Operator: Port Senta A.D., www.luka-senta.rs
- Port area Sremska Mitrovica
  Operator: RTC Port Leget AD, https://www.leget.rs
- Port area Šabac
  Operator: PD Elixir Zorka, https://www.elixirzorka.rs

Detailed information on the services provided in the service facilities can be found on the port operators website. Service facility information operated by Special port d.o.o. is published on the website www.specijalnaluka.rs. Service facility information operated by Port Senta A.D. is published on the website www.luka-senta.rs.

7.3.9 Relief Facilities

IŽS has on its disposal a mobile relief facility – auxiliary train. The services of auxiliary train in cases of remedying the consequences of accidents or incidents are provided by IŽS, using its auxiliary trains and staff. In order to use the auxiliary train services, Railway Undertaking must address IŽS in writing:
Center for auxiliary train activities
6, Nemanjina St
11 000 Belgrade, Serbia
Tel: +381 11 3620 899
Fax: +381 11 3620 899
Email: direktor.tkp@infrazs.rs

Price of services regarding the provision of relief

The price for providing the basic service regarding the provision of relief is determined based on the actual costs incurred during the provision of such service and it is applied in a non-discriminatory manner for all railway undertakings.

The price of transporting the auxiliary train from the domicile station to the place of work and return to the domicile

No	Means of transport	Measuring unit	Price in RSD, VAT exclusive
1	Traction vehicle - locomotive of the operator – in operation, maneuver or expectation of operation		According to the operators bill
2	Vehicle of the working unit (ZOP, ETP, SP,…) within "IŽS" – trolley, truck, etc.		According to the account of the working unit "IŽS" which performed transport
3	GEISMAR road-rail vehicle type V2R-730-S – road driving	hour	15.156,00
4	GEISMAR road-rail vehicle type V2R-730-S – railway driving	hour	18.156,00

5	Traction vehicle – locomotive "IŽS" or locomotive leased (locomotive operation + staff operation + energy) -in operation	hour	41.000,00
	-in expectation of operation	hour	15.000,00

Price for equipment and tools for the operation of auxiliary train

No	Asset description	Type of work	Measuring unit	Price in RSD, VAT exclusive
1	Auxiliary train	Expecting of work	hour	2.000,00
2	Auxiliary train	Work on preparation and retrieval of intervention equipment	hour	4.000,00
3	GEISMAR road-rail vehicle type V2R-730-S	Work during intervetion	hour	15.156,00
4	Jack EDK 1000 (99 72 9 471 001-4)	Expecting of work	hour	5.000,00
5	Jack EDK 300 (99 72 9 471 101-2)	Expecting of work	hour	5.000,00
6	Jack DHPD 65 (99 72 9 571 001-3)	Expecting of work	hour	5.000,00
7	Jack EDK 1000 (99 72 9 471 001-4)	Preparation, Work, Retrieval	hour	56.970,00
8	Jack EDK 300 (99 72 9 471 101-2)	Preparation, Work, Retrieval	hour	27.248,00
9	Jack DHPD 65 (99 72 9 571 001-3)	Preparation, Work, Retrieval	hour	30.146,00
10	LUKAS equipment	Preparation, Work, Retrieval	hour	7.066,00
11	WALTER trolley	Installation and removal	hour	6.000,00
12	WALTER trolley	Transport	hour	3.320,00
13	WALTER trolley	Remaining of trolley under the rolling stock – lump sum	hour	600,00
14	Stable power generation unit	Work	hour	2.400,00

Note: operating time is calculated in full hours – each started working hour is counted as a full working hour.

Labour costs for auxiliary train's staff

No	Type of work	Measuring unit	Price in RSD VAT exclusive
1	Assistant on auxiliary train	hour	704,00
2	Electromechanic	hour	981,00
3	Driver and operator of a two-way motor vehicle	hour	1.016,00
4	Rail crane operator	hour	1.027,00
5	Hydraulic equipment operator	hour	1.027,00
6	Locksmith on the auxiliary train	hour	1.027,00
7	Rail vehicle mechanic	hour	1.027,00
8	Auxiliary train manager	hour	1.126,00

9	Expert associate for circuit inspection	hour	1.175,00
10	Assistant auxiliary train chief	hour	1.282,00
11	Auxiliary train chief	hour	1.605,00
12	Employees participating in the work of auxiliary train	pcs	1.800,00

Note: operating time is calculated in full hours – each started working hour is counted as a full working hour.

7.3.10 Refuelling Facilities

"Infrastructure of Serbian Railways" JSC is providing the services of fuel storing and issuing for refuelling of traction vehicles of all railway undertakings.

This relates to refuelling facilities at service points – stations and depots:
Pancevo main St., Lapovo, Kraljevo, Požarevac, Požega, Sombor, Kikinda, Belgrade Marshalling Yard, Crveni Krst, Ruma, Novi Sad teretna – ložionica, Zaječar, Zrenjanin, Vršac and Subotica.

Detailed information on the services of fuel storing and issuing for refuelling of traction vehicles are available at:

Department for Procurement and Central Warehousing
6, Nemanjina St
11 000 Belgrade, Serbia
Tel: +381 11 3618 437
Email: nabavke.infra@srbrail.rs

Price for the service of storing and refuelling

The price for the service of fuel storing and issuing for the purposes of refuelling of traction vehicles of all railway undertakings is determined based on the actual costs incurred during the provision of this service and is applied in a non-discriminatory manner for all railway undertakings.

The service of fuel storing and issuing for the purposes of refuelling of traction vehicles amounts to 5.43 RSD per stored litre of diesel fuel VAT exclusive.

APPENDICES

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2. List of internal regulations (documents) and technological procedures

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8. Overview of platforms and arranged surfaces in service points

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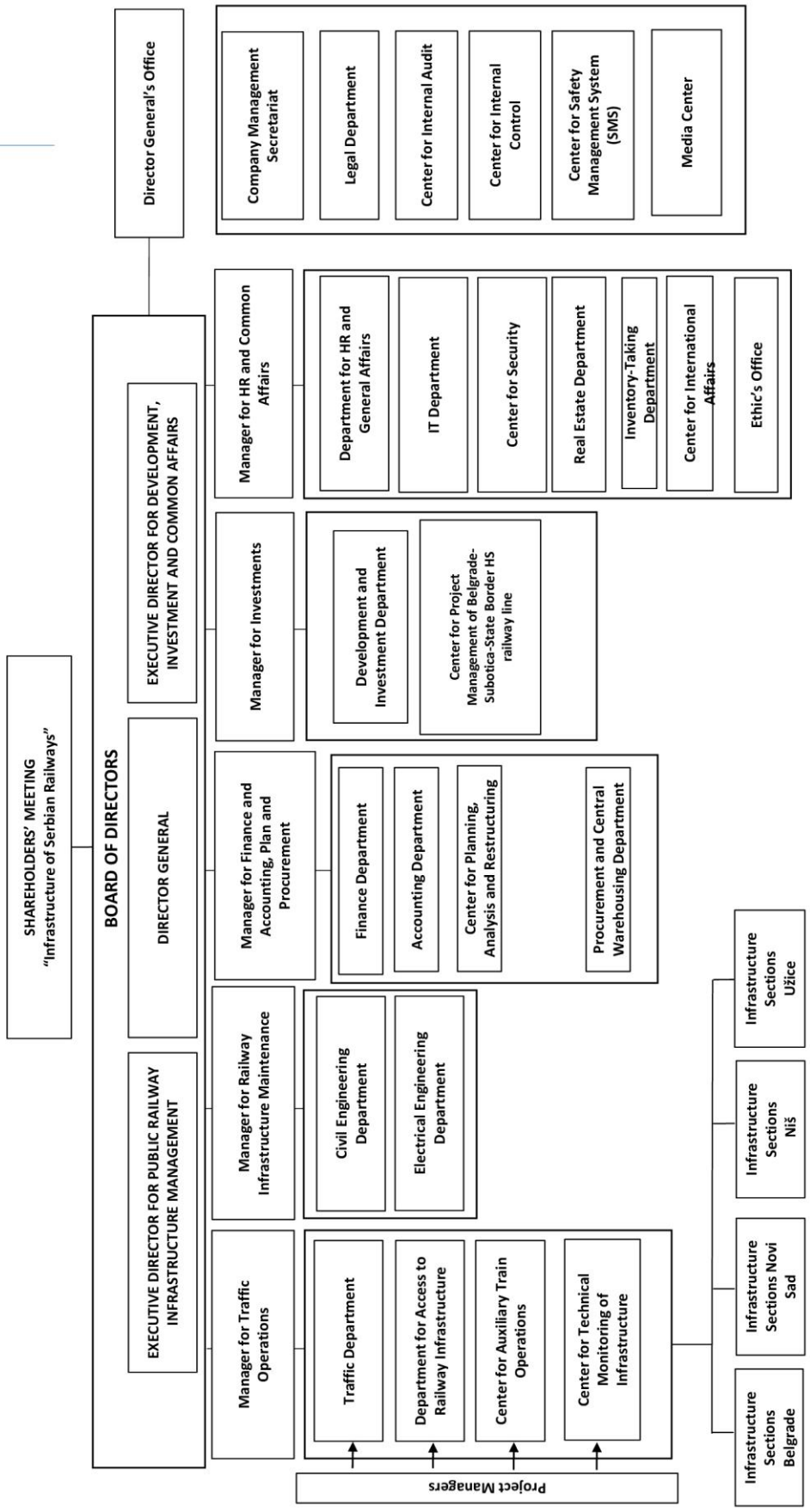
10. Railway node boundaries

Appendix 1: Organizational chart of "Infrastructure of Serbian Railways" JSC



Appendix 2: List of internal regulations (documents) and technological procedures:

Internal documents – regulations taken over in accordance with the Law on Safety and Interoperability of Railways – Article 152 para 2

1) Regulations on special train operations ("Official Gazette of ZJŽ", No 9/78);

2) Instructions for control of Timetable implementation and applying of traffic-technical regulations ("Official Gazette of ZJŽ", No 3/84 and 2/87);

3) Regulations on parlour car operations ("Official Gazette of ZJŽ", No 2/80);

4) Instructions on technical norms and data for drafting and implementation of Timetable with appendices 1, 2 and 3 ("Official Gazette or ZJŽ No 9/89, 6/91, 8-9/91, 4/92 and 9/92);

5) Instructions for preparation of technological process for operation of marshalling and distribution yards ("Official Gazette or ZJŽ, No 6/72);

6) Guidelines for sending of telegrams on JŽ in domestic and international railway telecommunication traffic ("Official Gazette of ZJŽ", No 11/93 and 4/96);

7) Instructions for wagon inventory taking on JŽ lines ("Official Gazette of ZJŽ", No 3/85, 2/89, 14/90 and 8/94);

8) Instructions for processing of data obtained in wagon inventory taking on JŽ lines ("Official Gazette of ZJŽ", No 7/85, 2/89, 14/90 and 8/94);

9) Instructions on the use of wagons and loading tackle ("Official Gazette of ZJŽ", No 3/97);

10) Regulations on the method for equipping the wagons with fire extinguishers containing chemical fire extinguishing agents ("Official Gazette of ZJŽ", No 6/92);

11) Regulations on the compensation of damages occurring on transport means in railway traffic ("Official Gazette of ZJŽ", No 2/96);

12) Regulations on welding works performed on rolling stock ("Official Gazette of ZJŽ", No 5/81);

13) Regulations on use of electric traction stable facilities on JŽ ("Official Gazette of ZJŽ", No 2/85);

14) Instructions on operation of JŽ controlling and acceptance bodies ("Official Gazette of ZJŽ", No 1/03);

15) Instructions on safety measures on JŽ electrified lines ("Official Gazette of ZJŽ", No 8/88);

16) Regulations for applying the electricity safety measures on OCL single phase system 25 kV, 50Hz of JŽ ("Official Gazette of ZJŽ", No 5/79);

17) Instructions for performing the operations on JŽ electrified lines equipped with single phase system 25 kV, 50Hz ("Official Gazette of ZJŽ", No 4/90);

18) Instructions on operating the speedometers on traction and other stock and processing of recording tape ("Official Gazette of ZJŽ", No 6/80 and 8/90);

19) Regulations on technical and wagon operations ("Official Gazette of ZJŽ", No 6/88);

20) Instructions for measurement of ohm resistance on railway vehicle wheel-set ("Official Gazette of ZJŽ", No 4/78);

21) Instructions for operation and maintenance of bogies type Y-25 and Y-27 adopted on Yugoslav Railways ("Official Gazette of ZJŽ", No 2/87);

22) Instructions for operation and inspection of electrical devices on coaches ("Official Gazette of ZJŽ", No 3/02);

23) Instructions for repairing of wheel-sets and axle bearings for JŽ wagons (“Official Gazette of ZJŽ”, No 2/00);

24) Instructions for operation of motor trains (“Official Gazette of ZJŽ”, No 6/82 and 10/82);

25) Instructions for wagon lubricating operations (“Official Gazette of ZJŽ”, No 1/55);

26) Instructions for wagon inspectors (“Official Gazette of ZJŽ”, No 2/06);

27) Instructions for technical-wagon service record taking and technical data on JŽ wagons (with collection of TK forms) (“Official Gazette of ZJŽ”, No 3/02);

28) Regulations on cleaning of coaches/wagons and motor trains (“Official Gazette of ZJŽ”, No 6/88);

29) Interim special conditions on inclusion of wagons for transport of passenger cars in passenger and high speed trains on JŽ lines (“Official Gazette of ZJŽ”, No 6/70, 8/71);

30) Instructions on transport of M-84 tank and its modifications (“Official Gazette of ZJŽ”, No 1/88);

31) Instructions on quality guarantee for repairs performed on rolling stock (“Official Gazette of ZJŽ”, No 7/79);

32) Instructions for regular repair of buffing and draw gear (“Official Gazette of ZJŽ”, No 10/92);

33) Instructions for the use of Soviet (SŽD) tank wagons on JŽ lines (“Official Gazette of ZJŽ”, No 6/88);

34) Instructions on storing of technical documents on JŽ (“Official Gazette of ZJŽ”, No 3/88);

35) Instructions on the procedure in case of damaging of foreign wagons on JŽ lines (“Official Gazette of ZJŽ”, No 5/03);

36) Regulations for thermic processing of turnout elements and rail ends for insulated rail joints (“Official Gazette of ZJŽ”, No 4/86);

37) Regulations on the measures for traffic safety and safety of workers performing the trackside works (“Official Gazette of ZJŽ”, No 6/92);

38) Instructions for securing of traffic in winter conditions (“Official Gazette of ZJŽ”, No 1/04);

39) Instructions for welding of railway rails in aluminum-thermic procedure (“Official Gazette of ZJŽ”, No 10/86);

40) Instructions for controlling the compacting degree of railway line substructure applying the dynamic method on JŽ network (“Official Gazette of ZJŽ”, No 1/06);

41) Instructions for uniform criteria for controlling the line condition on JŽ network (“Official Gazette of ZJŽ”, No 6/01 and 4/04);

42) Instructions for delivery, installation and maintenance of *Kraiburg* rubber panels for level crossings on JŽ network (“Official Gazette of ZJŽ”, No 4/03);

43) Instructions for delivery, installation and maintenance of *Pandroll k-lock* track fastening on JŽ network (“Official Gazette of ZJŽ”, No 3/04);

44) Instructions for delivery, installation and maintenance of *Pandrol-Fastclip* fastenings on JŽ network (“Official Gazette of ZJŽ”, No 1/03);

45) Instructions for delivery, installation and maintenance of *Pandroll* elastic fastenings on JŽ network (“Official Gazette of ZJŽ”, No 8-9/87);

46) Instructions for delivery, installation and maintenance of SKL-2 elastic clamp on JŽ network (“Official Gazette of ZJŽ”, No 8-9/87);

47) Instructions on technological procedure for protection against corrosion of rails, turnouts, bridges, jack and W-shape supports (“Official Gazette of ZJŽ”, No 11/87);

48) Instructions for manufacturing, control and acceptance of *Walter BAU-AG* single unit pre-stressed concrete sleepers on JŽ network ("Official Gazette of ZJŽ", No 5/04);

49) Instructions for delivery, installation and maintenance of turnouts on concrete sleepers manufactured by *Walter BAU-AG* on JŽ network ("Official Gazette of ZJŽ", No 2/05);

50) Instructions for manufacturing, control and acceptance of *PFLEIDERER* pre-stressed concrete sleepers for turnouts and crossings on JŽ network ("Official Gazette of ZJŽ", No 4/05);

51) Instructions for delivery, installation and maintenance of *Tensar* two-axle geonet on JŽ network ("Official Gazette of ZJŽ", No 5/05);

52) Instructions for manufacturing and implementation of clamps for S-49 and UIC 60 rails on JŽ network ("Official Gazette of ZJŽ", No 1/06);

53) Instructions for operation of inductive auto-stop device I 60 ("Official Gazette of ZJŽ", No 2/75, 7/78, 8/81 and 8/89);

54) Instructions on technical inspection of signalling and safety devices ("Official Gazette of ZJŽ", No 10/78);

55) Instructions on the types and use of telecommunication devices and connections (1977);

56) Regulations on company clothing on Yugoslav Railways ("Official Gazette of ZJŽ", No 4/88, 13/89, 6/92 and 6/93);

57) Instructions for proving the presence of alcohol in the employee's organism during the work on JŽ ("Official Gazette of ZJŽ", No 5/67);

58) Regulations for calculation and determination of train running duration (1956);

The company is also applying other internal documents – Regulations, Instructions, Permanent Orders, General Orders and other orders

1) Internal Rules of Procedure of Company's Shareholders Meeting ("Official Gazette of Serbian Railways" No 28/15);

2) Internal Rules of Procedure of Company's Board of Directors ("Official Gazette of Serbian Railways" No 15/15);

3) Regulations on organization and systematization of jobs in Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways", Belgrade ("Official Gazette of Serbian Railways" No 55/18, 67/18, 9/19, 10/19, 11/19, 12/19, 14/19, 16/19, 23/19, 25/19, 30/19, 33/19, 39/19, 43/19, 46/19, 48/19);

4) Instructions on organization and work procedures of operational service in the area covered by "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 21/17, 21/18 and 37/18);

5) Instructions for restricted speed running procedures in the area covered by "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 21/2017);

6) Instructions for the preparation of Station Regulations in the area covered by "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 21/2017, 7/18);

7) Instructions on procedures in case of incidents and accidents in the area covered by "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 52/18);

8) Instructions for regulation and management of train movements on lines equipped with traffic remote control as well as for operation of FLEXICODE 560/I system remote control devices;

9) Instructions for traffic organization, performing of traffic operations and operating of traffic remote control devices on Batajnica – Stara Pazova – Ruma – Šid railway line;

10) Instructions on traffic organization, performing of traffic operations and operating of traffic remote control devices on Belgrade (Resnik) – Požega – Vrbnica railway line and on the (Belgrade) – Resnik-Požega-Vrbnica-State Border – (Bijelo Polje) railway line ("Official Gazette of Serbian Railways" No 53/18);

11) Several instructions for use of radio connection on particular railway lines (Lapovo-Kraljevo, Crveni Krst-Zaječar and other railway lines);

12) Regulations on organization and performing of internal control and monitoring operations in Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways", Belgrade ("Official Gazette of Serbian Railways" No 13/2017);

13) Rules on office and archive administration in Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways", Belgrade ("Official Gazette of Serbian Railways" No 34/19);

14) Regulations on fire protection of public company "Serbian Railways" ("Official Gazette of Serbian Railways" No 4/2007);

15) Collective agreement for "Serbian Railways" Joint Stock Company ("Official Gazette of Serbian Railways" No 25/18);

16) Instructions for implementation of employee rights to compensation of costs for arriving to work and returning from work ("Official Gazette of Serbian Railways" No 7/15);

17) Regulations on scholarships ("Official Gazette of Serbian Railways" No 7/15);

18) Regulations on operation of fund for allocation of funds for preserving of work and health capacities of employees ("Official Gazette of Serbian Railways" No 8/15);

19) Instructions on the procedures for determining the responsibility for occurrence of damages inflicted by employees, while deciding on the rights, obligations and responsibilities, to other employees ("Official Gazette of Serbian Railways" No 10/15);

20) Regulations on the procedure for internal whistle blowing with the employer Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways", Belgrade ("Official Gazette of Serbian Railways" No 30/15);

21) Regulations on leasing of business premises, advertising space and space for accommodation of devices for telecommunication operators by "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 12/16);

22) Internal Audit Charter for "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 2/18);

23) Regulations on inventory taking and reconciliation of accounting condition with the actual condition ("Official Gazette of Serbian Railways" No 25/17);

24) Plan for optimization of staff numbers with the employer Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways", Belgrade ("Official Gazette of Serbian Railways" No 29/17);

25) Instructions for classification of used wooden railway sleepers of "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 32/17);

26) Instructions for organization and recording of working hours ("Official Gazette of Serbian Railways" No 35/17);

27) Regulations on conditions for the use and maintenance of company vehicles of "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 38/17);

28) Statutes of Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways", Belgrade ("Official Gazette of RS" No 60/15, 73/15 and "Official Gazette of Serbian Railways" No 14/17);

29) Long-term and medium-term plan for business strategy and development adopted by the Government of the Republic of Serbia ("Official Gazette of RS" No 82/17);

30) Regulations for more detailed regulation of public procurement procedure ("Official Gazette of Serbian Railways" No 16/16 and 66/17);

31) Internal plan for prevention of corruption in public procurements ("Official Gazette of Serbian Railways" No 16/16);

32) Regulations on recording, storing, movement and sales of inactive stocks and material obtained in the work process ("Official Gazette of Serbian Railways" No 16/16);

33) Instructions on the method for handling, warehousing, sales and handover of dangerous waste material ("Official Gazette of Serbian Railways" No 16/16);

34) Act on safety of ICT system of "Infrastructure of Serbian Railways" ("Official Gazette of Serbian Railways" No 18/18);

35) Instructions for safe and healthy work of employees with another employer, pupils and students in manufacturing work, professional practice, practical education and persons attending professional training at Joint Stock Company for Public Railway Infrastructure Management "Infrastructure of Serbian Railways", Belgrade ("Official Gazette of Serbian Railways" No 12/18);

36) Instructions for maintenance of rolling stock operated by "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 7/18);

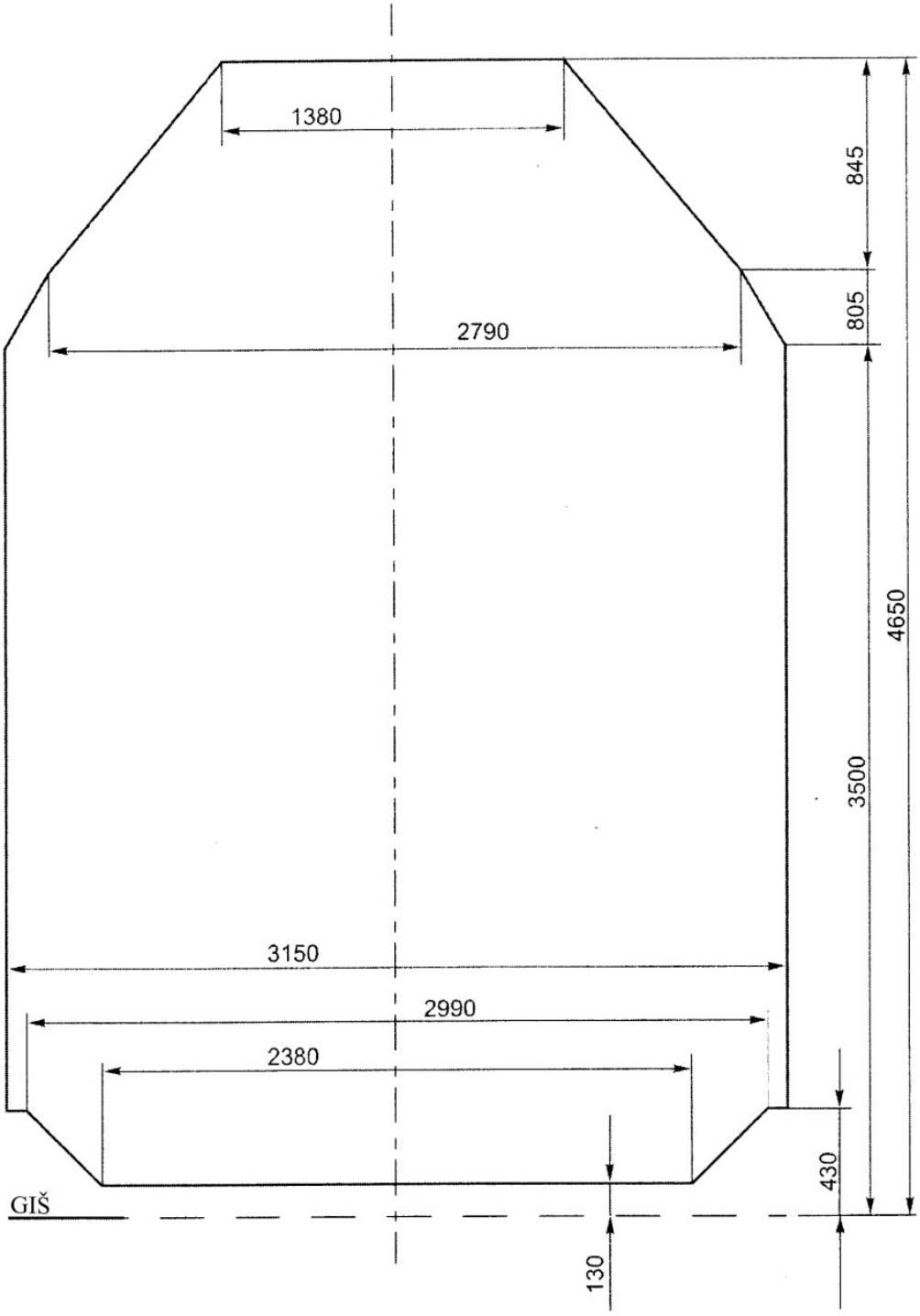
37) Instructions for drafting, adopting and publishing of internal documents ("Official Gazette of Serbian Railways" No 35/18);

38) Regulations on applying fire protection measures at locations of temporary welding, cutting and soldering at "Infrastructure of Serbian Railways" JSC ("Official Gazette of Serbian Railways" No 35/18);

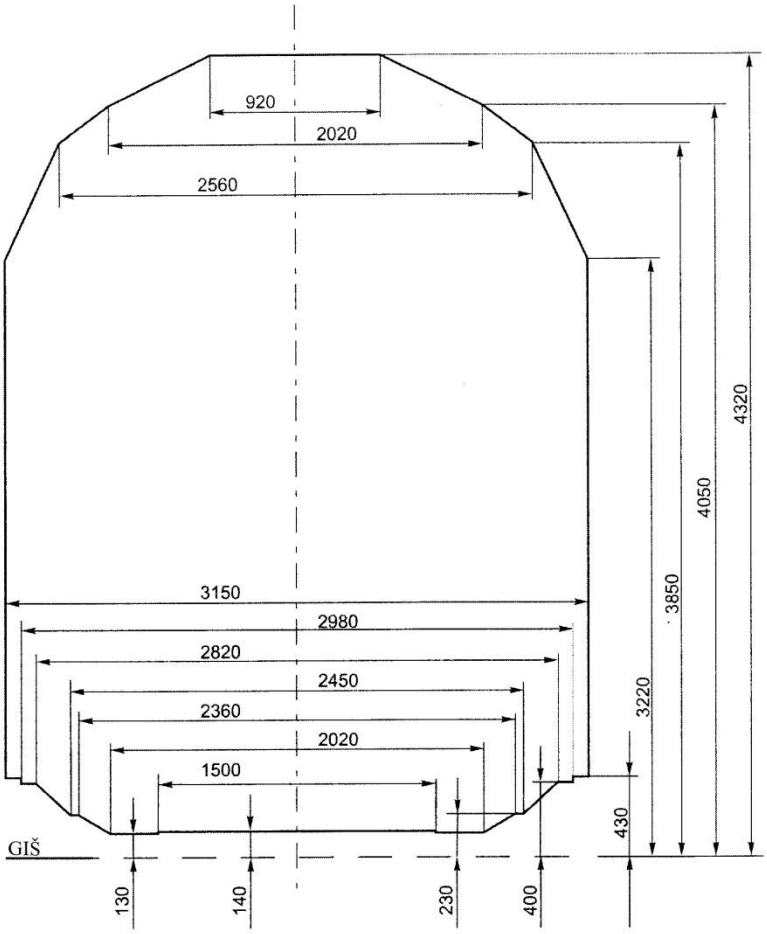
39) Regulations on combined transport terminals on railway network and road routes for transport to and from combined transport terminals ("Official Gazette of RS" No 26/2018);

40) Regulations on types, marking method and more detailed technical conditions to be fulfilled by loading units, rolling stock and railway infrastructure in combined transport ("Official Gazette of RS" No 70/2018).

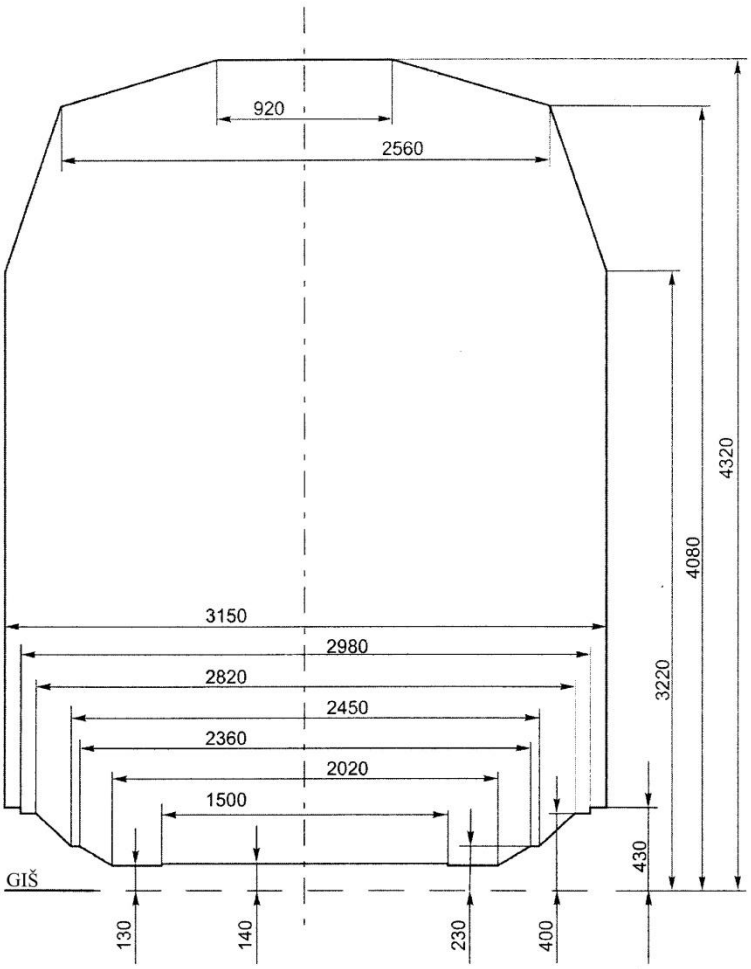
Appendix 3.1. Loading Gauge ZS I



Appendix 3.2. Loading Gauge UIC-GA



Appendix 3.3. Loading Gauge UIC-GB



Appendix 3.4. Electrified lines

Main lines:

1. Beograd Centar - Stara Pazova - Šid - State Border - (Tovarnik)
2. Beograd Centar - Rasputnica G - Rakovica - Mladenovac - Lapovo - Niš - Preševo - State Border - (Tabanovce)
3. (Beograd Centar) - Rakovica - Jajinci - Mala Krsna - Velika Plana
4. (Jagodina) – Rasputnica Ćuprija – Ćuprija - Paraćin
5. (Beograd Centar) - Stara Pazova - Novi Sad - Subotica - State Border - (Kelebia)
6. Niš - Dimitrovgrad - State Border - (Dragoman):
   - electrified on section Dimitrovgrad - State Border
7. Beograd Centar - Pančevo glavna stanica - Vršac - State Border - (Stamora Moravita):
   - electrified on section Beograd Centar - Pančevo varoš
8. (Beograd Centar) - Resnik - Požega - Vrbnica - State Border - (Bijelo Polje)
9. Beograd Ranžirna "A" - Ostružnica - Batajnica
10. Beograd Ranžirna "B" – Ostružnica
11. Beograd Ranžirna "A" - Rasputnica "B" - Rasputnica "K/K1" - Resnik
12. Ostružnica - Rasputnica "B" - (Rasputnica "K/K1")
13. Beograd Ranžirna "B" - Rasputnica "R" - Rasputnica "A" - (Resnik)
14. (Beograd Ranžirna "B") - Rasputnica "R" - Rakovica
15. Beograd Ranžirna "A" - Rasputnica "T" - Rakovica
16. Beograd Ranžirna "B" - Rasputnica "T" - (Rakovica)
17. connecting track in the area of Rasputnica "K/K1": (Rasputnica "B") - skretica "K" - skretnica "K1" - (Jajinci)
18. (Rasputnica Pančevački most) - Rasputnica Karađorđev park - Rasputnica Dedinje - (Rasputnica G)
19. Inđija – Golubinci
20. Novi Sad - Novi Sad Ranžirna - Rasputnica Sajlovo
21. bypass track of station Mala Krsna: (Kolari) – branching turnout 1 – branching turnout 28 - (Osipaonica)
22. Rasputnica Lapovo Varoš - Lapovo ranžirna – Lapovo
23. Trupale - Niš ranžirna - Međurovo
24. Crveni krst - Niš ranžirna
25. Niš - Rasputnica most - (Niš ranžirna)

Regional lines:

1. Topčider Putnička (4+195) – Rasputnica G - Rakovica
2. Novi Sad - Odžaci – Bogojevo:
   - electrified on section Novi Sad - Sajlovo
3. Stalać - Kraljevo – Požega:
   - electrified on section Kraljevo - Požega
4. connecting track to station Požega: (Uzići) – branching turnout No 53 - branching turnout No 54 - (Dragačevo)
5. Smederevo – Rasputnica Jezava – Radinac – Mala Krsna
6. Mala Krsna - Bor - Rasputnica 2 - (Vražogrnac):
   - electrified on section Mala Krsna - Požarevac

Local lines:

1. Novi Sad - Novi Sad ložionica:
   - electrified on section Novi Sad - Blok 3 Novi Sad
2. Pančevo Varoš - Pančevo Vojlovica

Appendix 3.5 Power supply facilities

No	Facilities	Chainage
Main Line 1. Beograd Centar – Stara Pazova – Šid – State Border– (Tovarnik)		
1.	**EVP Zemun**	**009+671**
2.	PSN Batajnica	021+735
3.	PS Stara Pazova	035+000
4.	**EVP Inđija**	**043+015**
5.	PS Putinci	053+600
6.	PSN Ruma	066+245
7.	PS Sremska Mitrovica	081+700
8.	**EVP Martinci**	**094+200**
9.	PS Kukujevci	105+000
10.	PS Šid	116+400
Main Line 2. Beograd Centar – Mladenovac – Lapovo – Niš – Preševo – State Border– (Tabanovce)		
11.	PSN Košutnjak	007+726
12.	PS Rakovica	008+656
13.	PS Kijevo	010+128
14.	**EVP Resnik**	**014+020**
15.	PS Klenje	024+800
16.	PSN Ralja	032+340
17.	PS Sopot Kosmajski	041+565
18.	**EVP Mladenovac**	**053+100**
19.	PS Glibovac	074+000
20.	PSN Mala Plana	084+350
21.	PS Plana	089+700
22.	**EVP Markovac**	**099+345**
23.	PS Lapovo Varoš	106+309
24.	PS Lapovo Putnička	109+207
25.	PSN Bagrdan	119+122
26.	**EVP Jagodina**	**136+262**
27.	PS Ćuprija	148+200
28.	PS Paraćin	154+971
29.	PSN Sikirica	165+025
30.	PS Stalać	176+154
31.	PS Braljina	186+600
32.	**EVP Đunis**	**195+130**
33.	PS Korman	205+540
34.	PS Aleksinac	214+077
35.	PSN Grejač	223+479
36.	PS Trupale	234+104
37.	PS Niš	243+287
38.	**EVP Niš**	**248+755**
39.	PS Doljevac	261+410
40.	PSN Pečenjevce	276+752
41.	PS Leskovac	287+910
42.	**EVP Grdelica**	**300+580**
43.	PS Džep	319+561
44.	PSN Suva Morava	332+860
45.	PS Vranjska Banja	347+765
46.	**EVP Ristovac**	**365+370**
47.	PS Bukarevac	386+617
48.	PSN Tabanovci	400+060

Main Line3. (Beograd Centar) – Rakovica – Jajinci – Mala Krsna – Velika Plana		
49.	PS Beli Potok	017+800
50.	PSN Vrčin	026+400
51.	PSMali Požarevac	042+800
52.	**EVP Vodanj**	**056+700**
53.	PS Mala Krsna	070+600
54.	PSN Lozovik	086+000
Main Line 4. (Beograd Centar) – Stara Pazova – Novi Sad – Subotica – State Border– (Kelebia)		
55.	PS Inđija	042+230
56.	PSN Beška	051+880
57.	PS Sremski Karlovci	066+480
58.	PS Novi Sad	077+670
59.	**EVP Novi Sad**	**081+0209**
60.	PS Kisač	091+602
61.	PSN Zmajevo	105+045
62.	**EVP Vrbas**	**120+135**
63.	PS Lovćenac	127+824
64.	PSN Bačka Topola	142+745
65.	PS Žednik	157+926
66.	**EVP Naumovićevo**	**168+590**
67.	PS Subotica	177+262
68.	PSN Kelebija	184+398
Main Line 6. Beograd Centar – Pančevo glavna stanica – Vršac – State Border– (Stamora Moravita)		
69.	PS Beograd Centar	000+000
70.	PS Pančevački Most	004+687
Main Line 7. (Beograd Centar) – Resnik – Požega – Vrbnica – State Border– (Bijelo Polje)		
71.	PS Barajevo	015+420
72.	PSN Stepojevac	029+610
73.	PS Lazarevac	045+310
74.	**EVP Slovac**	**059+248**
75.	PS Valjevo	077+905
76.	PSN Lastra	093+056
77.	PS Ražana	111+239
78.	**EVP Kosjerić**	**118+229**
79.	PS Požega	140+420
80.	PSN Uzići	150+295
81.	PS Užice – teretna	162+319
82.	**EVP Sušica**	**178+379**
83.	PS Zlatibor	193+407
84.	PSN Jablanica	206+350
85.	PS Priboj	225+338
86.	**EVP Pribojska Banja**	**232+750**
87.	PS Bistrica	241+248
88.	PSN Prijepolje	257+226
89.	PS Lučica	264+695
90.	**EVP Brodarevo**	**273+360**
91.	PS Vrbnica	285+096
Main Line 12. Beograd Ranžirna "A" – Ostružnica – Batajnica		
92.	PS Železnik – ulaz	001+290
93.	PS Železnik – izlaz	002+615
94.	PSN Surčin	013+485

Regional Line 11. Stalać – Kraljevo – Požega		
95.	**EVP Kraljevo**	**080+565**
96.	PSN Ovčar Banja	120+900

Remote control centers		
97.	**Centar DU Beograd**	**M2: 005+145**
98.	**Centar DU Niš**	**M2: 243+560**
99.	**Centar DU Novi Sad**	**M4: 078+038**

Abbreviations:

EVP - Electric traction substation

PSN - Track sectioning post with neutral line

PS - Track sectioning post

CDU - Remote control center

Appendix 3.6 Overview of signaling & safety devices equipping level

No	Railway Line No	RAILWAY LINES	Complete interlocking with relay or electronic devices	Incomplete relay interlocking	Electrical-mechanical devices with signal-dependence	Electrical devices without signal-dependence	Mechanical devices without signal-dependence	Turnout interlocking			Turnout heating	Signal type			Signal equipped with AS		Devices in marshalling yards				
								Central control desk and interlocking by means of electrical positioning devices	Central control desk and interlocking by means of mechanical devices	On-site control and interlocking by means of electrical controller	On-site control by means of turnout lock	Electrical	Gas	Main		Other					
														Light signal	Mechanical signal	Light signal	Mechanical signal	Light signal	No of balises	Marshalling yards with automatic marshalling	Marshalling yards without automatic marshalling	Automatic positioning of turnout on the hump	Central positioning of turnout on the hump	Manual positioning of turnouts on the hump
			Number of stations					Number of turnouts						Number of signals						Number of stations		Number of turnouts		
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	101	Beograd - Stara Pazova - Šid - State Border - (Tovarnik)	15			1		341			76	40		182		217		91						
2	102	Beograd - Mladenovac - Lapovo - Niš - Preševo - State Border - (Tabanovce)	55		1	1		639			180	196		419		196		363						
3	103	(Beograd) - Rakovica - Jajinci - Mala Krsna - Velika Plana	15					151				79		160		99		170						
4	104	(Beograd) - Stara Pazova - Novi Sad - Subotica - State Border - (Kelebia)	17			2	1	171	4	25	138	85		292	2	73	2	187						
5	105	Niš - Dimitrovgrad - State Border - (Dragoman)	2		27	12	6							25	20	3	20							
6	106	Beograd Centar - Pančevo glavna stanica - Vršac - State Border - (Stamora Moravita)	5		1	1	5	116	8		87	79		113	19	103		111						
7	107	(Beograd) - Resnik - Požega - Vrbnica - State Border - (Bijelo Polje)	34					306				104		307		177		203						
8	108	Lapovo - Kraljevo - Lešak - Kosovo Polje - Đeneral Janković - State Border - (Volkovo)	2		1	4	15	16			247			20	37	12	30				1	55		
9	109	Subotica - Bogojevo - State Border - (Erdut)	1		8	1		19	63		83			18	49	13	16							
10	07	Beograd Centar - Novi Beograd												6		2		6						
11	08	Beograd Centar - Rasputnica G - (Rakovica)												10		6		10						
12	112	Beograd Ranžirna "A" - Ostružnica - Batajnica	2					32						21		1		11						
13	113	Beograd Ranžirna "B" - Ostružnica						2						2				2						
14	114	Beograd Ranžirna "A" - Rasputnica "B" - Rasputnica "K/K1" - Resnik	1								15	1		6		4		6			1	55		
15	115	Ostružnica - Rasputnica "B" - (Rasputnica "K/K1")												2		2		2						
16	116	Beograd Ranžirna "B" - Rasputnica "R" - Rasputnica "A" - (Resnik)												2		1		2						
17	117	(Beograd Ranžirna "B") - Rasputnica "R" - Rakovica						1						2		1		2						
18	118	Beograd Ranžirna "A" - Rasputnica "T" - Rakovica						3								1								
19	119	Beograd Ranžirna "B" - Rasputnica "T" - (Rakovica)	1					132						6				6						
20	120	veznI kolosek na području Rasputnice "K/K1". (Rasputnica "B") - skretnica "K" - skretnica "K1" - (Jajinci	1					3				3		6				6						
21	121	Topčider - Rasputnica Savski most - (Novi Beograd)												2				2						
22	122	Topčider - Beograd spoljna - Beograd Dunav - Rasputnica Pančevački most																						
23	28	obilazni kolosek stanice Beograd Spoljna: (Topčider) - Blok 1 "Obala" - Blok 2 "Prelaz" - (Beograd donji grad)			2	1					39+6			6		3								
24	31	(Rasputnica Pančevački most) - Rasputnica Karađorđev park - Rasputnica Dedinje - (Rasputnica G)						4				2		4		4		4						
25	125	Indija - Golubinci												1		1								
26	126	Novi Sad - Novi Sad Ranžirna - Rasputnica Sajlovo				1								4		4								
27	127	obilazni kolosek stanice Mala Krsna: (Kolari) - odvojna skretnica 1 - odvojna skretnica 28 - (Ospaonica)									77			2				2						
28	128	Rasputnica Lapovo Varoš - Lapovo ranžirna - Lapovo	2		1			44			36	3		48		28		14						
29	129	Trupale - Niš ranžirna - Medurovo	1					100				1		5		106		1			1			
30	130	Crveni krst - Niš ranžirna														2								
31	131	Niš - Rasputnica most - (Niš ranžirna)	1					4						4		3								
32	132	Spojni kolosek stanice Niš: (Crveni krst) - odvojna skretnica 2 - odvojna skretnica 4 - (Čele kula)										3												
33	201	Subotica - Horgoš - State Border - (Roszke)			1		1		4		27				11		4							
34	202	Pančevo Glavna stanica - Zrenjanin - Kikinda - State Border - (Jimbolia)	1			3	9	7			253			17	26	11	20							
35	203	Banatsko Miloševo - Senta - Subotica	1	1	1	1	6	19	7		32			16	7	5	5							
36	204	Pančevo Varoš - Rasputnica 2a - (Jabuka)																						
37	205	Novi Sad - Odžaci - Bogojevo	1			2	3	9			99			15	8	7	8							
38	206	(Novi Sad) - Rasputnica Sajlovo - Rimski šančevi - Orlovat stajalište			2	1	8		8		73			8	11	4	11							
39	207	Novi Sad Ranžirna - Sajlovo Rasputnica									2					1								
40	208	Orlovat - Rasputnica 1a - (Lukićevo)																						
41	209	Ruma - Šabac - Rasputnica Donja Borina - State Border - (Zvornik Novi)	1		2	7	2	8			92			23	10	14	9							
42	210	(Platičevo) - Rasputnica 1 - Rasputnica 3 - (Šitar)																						
43	211	Stalać - Kraljevo - Požega	8		7	1	1	22			195			64	11	43	11							
44	212	spojni kolosek stanice Kraljevo: (Mataruška Banja) - odvojna skretnica broj 72 - odvojna skretnica broj 73 - (Adrani)																						
45	213	spojni kolosek stanice Požega: (Užici) - odvojna skretnica broj 53 - odvojna skretnica broj 54 - (Drmanovci)																						
46	214	Smederevo - Mala Krsna	1		1			22			32	2		16		3		8						

No	Railway Line No	RAILWAY LINES	Turnout interlocking									Turnout heating		Signal type				Signal equipped with AS		Devices in marshalling yards				
														Main		Other								
			Complete interlocking with relay or electronic devices	Incomplete relay interlocking	Electrical-mechanical devices with signal-turnout dependence	Electrical devices without signal-turnout dependence	Mechanical devices without signal-turnout dependence	Central control desk and interlocking by means of electrical positioning devices	Central control desk and interlocking by means of mechanical devices	On-site control and interlocking by means of electrical controller	On-site control and interlocking by means of turnout lock	Electrical	Gas	Light signal	Mechanical signal	Light signal	Mechanical signal	Light signal	Mechanicalsignal	Marshalling yards with automatic marshalling	Marshalling yards without automatic marshalling	Automatic positioning of turnout on the hump	Ccentral positioning of turnout on the hump	Manual positioning of turnouts on the hump
			Number of stations					Number of turnouts				Number of turnouts		Number of signals				No of balises		Number of stations		Number of turnouts		
1	1a	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
47	215	Mala Krsna - Bor - Rasputnica 2 - (Vražogrnac)	10	4	1	6	3	60	1		156	24		178	13	45	14	3						
48	216	Crveni krst - Zaječar - Prahovo pristanište	2	2	2	1	14	15	8		127			22	34	4	22							
49	217	(Rgotina) - Rasputnica 3 - Rasputnica 1 - (Trnavac)																						
50	218	Doljevac - Kastrat - Kosovo Polje	4	1				99		6	59	8		67	36		51							
51	219	Kuršumlija - Kastrat			1		1				10				3		3							
52	220	(Barlovo) - Rasputnica 1 - Kuršumlija			1		1				3				3		3							
53	221	Kosovo Polje - Metohija - Peć																						
54	222	Kosovo Polje Teretna - Rasputnica 1 - (Drenica).																						
55	301	Subotica - Subotica fabrika				1					7			1		1								
56	302	Subotica - Subotica bolnica									2													
57	303	Kanjiža - Horgoš																						
58	304	Novi Sad - Novi Sad ložionica					1				1			1	1	1	1							
59	305	(Podbara) - Rasputnica 3 - Rasputnica 2 - (Kać)									4													
60	306	(Rimski šančevi) - Rasputnica 1 - Rasputnica 3 - (Podbara)																						
61	307	Rimski šančevi - Bečej									84			2		2								
62	308	Vrbas - Sombor	2					4			49			8	4	4	4							
63	309	Petrovaradin - Beočin					3				26				2		2							
64	310	Apatin Fabrika - Strilić - Sombor									19													
65	311	Bač - Karavukovo				1	1				10			2		2								
66	312	Bačka Palanka - Gajdobra					1				10													
67	313	(Brasina) - Rasputnica Donja Borina - Zvornik Grad																						
68	314	Šid - Sremska Rača Nova - State Border - (Bijeljina)					6				52				15		12							
69	315	Kikinda - Banatsko Arandelovo				1					16			2		2								
70	316	Sečanj - Jaša Tomić																						
71	317	Zrenjanin Fabrika - Vršac - Bela Crkva				1	1				41			3	2	3	2							
72	318	Pančevo Varoš - Pančevo Vojlovica				1					11			3		3								
73	319	(Uljma) - Rasputnica A - Rasputnica B - (Jasenovo)																						
74	320	spojni kolosek stanice Senta: (Čoka) - odvojna skretnica 22 - odvojna skretnica 23 - (Orom)																						
75	321	(Požarevac) - Rasputnica Sopot Požarevački - Kostolac									6				1		1							
76	322	Markovac - Resavica				4	2				64				12		12							
77	323	Ovča - Padinska Skela									17													
78	324	Metohija - Prizren.																						
79	401	Bečej - Vrbas									14													
80	402	Vršac - Vršac Vašarište																						
81	403	Alibunar - Seleuš																						
82	404	Vladimirovac - Kovin									20													
83	405	Čoka - Novi Kneževac					2				6													
84	406	Kikinda - Metanolsko sirćetni kompleks (km 6+413)																						
85	407	Bogojevo - Dunavska obala																						
86	408	(Sombor) - Rasputnica Strilić - Bački breg																						
87	409	Sombor - Ridica																						
88	410	(Višnjićevo) - Rasputnica Rača - Sremska Rača									1				1									
89	411	Paraćin - Stari Popovac					1				7													
90	412	Surčin - Jakovo Bečmen									4													
91	413	(Beograd spoljna) - km 2+290 odvojna skretnica - Fabrika šećera									4													
92	501	Šarganska osmica																						
		Total:	**187**	**8**	**60**	**55**	**94**	**2349**	**103**	**31**	**2574**	**630**	**0**	**2123**	**338**	**1217**	**263**	**1212**	**0**	**0**	**2**	**55**	**0**	**0**

No	Railway Line No	RAILWAY LINE	INTERLOCKING FACILITIES																				
			Interstation dependence device			Automatic bloc					Level crossing safety devices								Traffic remote control devices				
											Automatic positioning of level crossings				Manual positioning of level crossings								
											half-barrier or barier logitudinal		only colour light signals		electrical devices		mechanical devices						
			Length of single track line	Length of double track line	Number of distances between stations	Length of signle track line	Length of double track line	Number of block points	Number of signals	Number of signals equipped with auto-stop devices	in station	on track	in station	on track	in station	on track	in station	on track	Length of signle track line	Length of double track line	Number of remote control centers	Number of remote control stations	Number of remotely controlled stations
			km		kom	km		pcs											km		pcs		
1	1a	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	101	Beograd - Stara Pazova - Šid - državna granica - (Tovarnik)						61	120	120	14	12								97+918	1	5	6
2	102	Beograd - Mladenovac - Lapovo - Niš - Preševo - državna granica - (Tabanovce)	6+000		1		14+150	195	443	289	37	53	1	1	2		8	4			2	38	15
3	103	(Beograd) - Rakovica - Jajinci - Mala Krsna - Velika Plana				93+143		41	81	81	11	3					1				1	12	4
4	104	(Beograd) - Stara Pazova - Novi Sad - Subotica - državna granica - (Kelebija)	15+020		4	133+722		61	121	121	15	8			2	1	1	2					
5	105	Niš - Dimitrovgrad - državna granica - (Dragoman				16+100		6	11		5	7			3	4	7	4					
6	106	Beograd Centar - Pančevo glavna stanica - Vršac - državna granica - (Stamora Moravita)	82+200	19+070	14		19+600	10	26	26	4	2					8	1					
7	107	(Beograd) - Resnik - Požega - Vrbnica - državna granica - (Bijelo Polje)	287+013		33						3	9	1	15					287+013		1	26	9
8	108	Lapovo - Kraljevo - Lešak - Kosovo Polje - Đeneral Janković - državna granica - (Volkovo									3		2		1		7	4					
9	109	Subotica - Bogojevo - državna granica - (Erdut	69+820		11						1	5	1				11	10					
10	110	Beograd Centar - Novi Beograd					2+887	2	4	4													
11	111	Beograd Centar - Rasputnica G - (Rakovica)					4+416	4	8	8													
12	112	Beograd Ranžirna "A" - Ostružnica - Batajnica				25+658		14	26	26	1	1									1		2
13	113	Beograd Ranžirna "B" - Ostružnica				5+902		2	2	2													
14	114	Beograd Ranžirna "A" - Rasputnica "B" - Rasputnica "K/K1" - Resnik				10+419		4	8	8	1						1					1	1
15	115	Ostružnica - Rasputnica "B" - (Rasputnica "K/K1")				2+121		1	2	2													
16	116	Beograd Ranžirna "B" - Rasputnica "R" - Rasputnica "A" - (Resnik)				4+538		2	2	2													
17	117	(Beograd Ranžirna "B") - Rasputnica "R" - Rakovica				1+149																	
18	118	Beograd Ranžirna "A" - Rasputnica "T" - Rakovica				0+709																	
19	119	Beograd Ranžirna "B" - Rasputnica "T" - (Rakovica)				8+379		3	5	5													
20	120	vezni kolosek na području Rasputnice "K/K1": (Rasputnica "B") - skretnica "K" - skretnica "K1" - (Jajinci)				0+463																	
21	121	Topčider - Rasputnica Savski most - (Novi Beograd				3+578		1	1														
22	122	Topčider - Beograd spoljna - Beograd Dunav - Rasputnica Pančevački most				6+257	4+519									1	0	0					
23	123	obilazni kolosek stanice Beograd Spoljna: (Topčider) - Blok 1 "Obala" - Blok 2 "Prelaz" - (Beograd donji grad)				1+757											1						
24	124	(Rasputnica Pančevački most) - Rasputnica Karadorđev park - Rasputnica Dedinje - (Rasputnica G)					1+591																
25	125	Indija - Golubinci	4+020		1	4+020		2	4	4													
26	126	Novi Sad - Novi Sad Ranžirna - Rasputnica Sajlovo	3+749		2																		
27	127	obilazni kolosek stanice Mala Krsna: (Kolari) - odvojna skretnica 1 - odvojna skretnica 28 - (Osipaonica)				2+387					1												
28	128	Rasputnica Lapovo Varoš - Lapovo ranžirna - Lapovo					3+788																
29	129	Trupale - Niš ranžirna - Međurovo				1+220		2	3	1													
30	130	Crveni krst - Niš ranžirna				17+100	1	1	2														
31	131	Niš - Rasputnica most - (Niš ranžirna)				4+990		4	7		1	1											
32	132	Spojni kolosek stanice Niš: (Crveni krst) - odvojna skretnica 2 - odvojna skretnica 4 - (Čele kula)				0+500						2											
33	201	Subotica - Horgoš - državna granica - (Roszke)	24+351		5						3						2	2					
34	202	Pančevo Glavna stanica - Zrenjanin - Kikinda - državna granica - (Jimbolia)	131+318		14						4	10			1		11	4					
35	203	Banatsko Miloševo - Senta - Subotica	80+264		14							1					2	2					
36	204	Pančevo Varoš - Rasputnica 2a - (Jabuka)	1+600		1																		
37	205	Novi Sad - Odžaci - Bogojevo	89+457		10							1			1		7	4					
38	206	(Novi Sad) - Rasputnica Sajlovo - Rimski šančevi - Orlovat stajalište	65+405		11							1					4	3					
39	207	Novi Sad Ranžirna - Sajlovo Rasputnica	2+502		1																		
40	208	Orlovat - Rasputnica 1a - (Lukićevo)	0+630		1																		
41	209	Ruma - Šabac - Rasputnica Donja Borina - državna granica - (Zvornik Novi)				101+951						3			4	3	3	6					
42	210	(Platičevo) - Rasputnica 1 - Rasputnica 3 - (Štitar)																					
43	211	Stalać - Kraljevo - Požega				135+733						2	1		2		4	5					
44	212	spojni kolosek stanice Kraljevo: (Mataruška Banja) - odvojna skretnica broj 72 - odvojna skretnica broj 73 - (Adrani)																					
45	213	spojni kolosek stanice Požega: (Užići) - odvojna skretnica broj 53 - odvojna skretnica broj 54 - (Dragačevo)																					
46	214	Smederevo - Mala Krsna				11+742					1		1		1		2	2					
47	215	Mala Krsna - Bor - Rasputnica 2 - (Vražogrnac)										1			1								
48	216	Crveni krst - Zaječar - Prahovo pristanište										1			1		7	1					
49	217	(Rgotina) - Rasputnica 3 - Rasputnica 1 - (Trnavac)																					
50	218	Doljevac - Kastrat - Kosovo Polje													1								
51	219	Kuršumlija - Kastrat																					

No	Railway Line No	RAILWAY LINE	INTERLOCKING FACILITIES																				
			Interstation dependence device			Automatic bloc					Level crossing safety devices								Traffic remote control devices				
											Automatic positioning of level crossings				Manual positioning of level crossings								
											half-barrier or barier logitudinal		only colour light signals		electrical devices		mechanical devices						
			Length of single track line	Length of double track line	Number of distances between stations	Length of signle track line	Length of double track line	Number of block points	Number of signals	Number of signals equipped with auto-stop devices	in station	on track	in station	on track	in station	on track	in station	on track	Length of signle track line	Length of double track line	Number of remote control centers	Number of remote control stations	Number of remotely controlled stations
			km		kom	km		pcs											km		pcs		
1	1a	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
52	220	(Barlovo) - Rasputnica 1 - Kuršumlija																					
53	221	Kosovo Polje - Metohija - Peć																					
54	222	Kosovo Polje Teretna - Rasputnica 1 - (Drenica)																					
55	301	Subotica - Subotica fabrika	4+100		1									1				4					
56	302	Subotica - Subotica bolnica	2+745		1																		
57	303	Kanjiža - Horgoš																					
58	304	Novi Sad - Novi Sad ložionica	2+870		1										2			1					
59	305	(Podbara) - Rasputnica 3 - Rasputnica 2 - (Kać)	3+659		2																		
60	306	(Rimski šančevi) - Rasputnica 1 - Rasputnica 3 - (Podbara)	0+910		1																		
61	307	Rimski šančevi - Bečej													1		9						
62	308	Vrbas - Sombor									1	1			2		1	1					
63	309	Petrovaradin - Beočin	17+035		3												2	2					
64	310	Apatin Fabrika - Strilić - Sombor	38+304		4												1	2					
65	311	Bač - Karavukovo	13+420		2										1		1						
66	312	Bačka Palanka - Gajdobra	14+422		2												2	4					
67	313	(Brasina) - Rasputnica Donja Borina - Zvornik Grad				6+818																	
68	314	Šid - Sremska Rača Nova - državna granica - (Bijeljina)				25+612												2					
69	315	Kikinda - Banatsko Arandelovo	12+916		4												2						
70	316	Sečanj - Jaša Tomić	10+363		1																		
71	317	Zrenjanin Fabrika - Vršac - Bela Crkva	65+3348		4							1					4						
72	318	Pančevo Varoš - Pančevo Vojlovica	2+907		2							1			1	3							
73	319	(Uljma) - Rasputnica A - Rasputnica B - (Jasenovo)	0+488		1																		
74	320	spojni kolosek stanice Senta: (Čoka) - odvojna skretnica 22 - odvojna skretnica 23 - (Orom)																					
75	321	(Požarevac) - Rasputnica Sopot Požarevački - Kostolac				9+900																	
76	322	Markovac - Resavica				53+250						1		1	1		3	4					
77	324	Ovča - Padinska Skela	18+580		1	18+580																	
78	324	Metohija - Prizren.																					
79	401	Bečej - Vrbas															1						
80	402	Vršac - Vršac Vašarište																					
81	403	Alibunar - Seleuš	8+386		1																		
82	404	Vladimirovac - Kovin	43+030		1													2					
83	405	Čoka - Novi Kneževac	12+300		2												1						
84	406	Kikinda - Metanolsko sirćetni kompleks (km 6+413)	7+255		1																		
85	407	Bogojevo - Dunavska obala	2+733		1																		
86	408	(Sombor) - Rasputnica Strilić - Bački breg	28+090		1																		
87	409	Sombor - Ridica	32+741		1																		
88	410	(Višnjićevo) - Rasputnica Rača - Sremska Rača				3+830																	
89	411	Paračin - Stari Popovac									1						1						
90	412	Surčin - Jakovo Bečmen				4+400																	
91	413	(Beograd spoljna) - km 2+290 odvojna skretnica - Fabrika šećera				0+600																	
92	501	Šarganska osmica																					
Total					**161**			**416**	**876**	**699**	**107**	**127**	**7**	**18**	**28**	**12**	**115**	**76**			**6**	**82**	**37**

Appendix 3.7 Overview of telecommunication devices equipping

No	Railway line No	RAILWAY LINE	FINAL TERMINAL DEVICES															
			Telephone												Telegraph		Sound signalling devices
									Traff.remote control desks		Trackside telephones							
			LB telephone devices	CB telephone devices	Automatic telephone devices	Secretary sets	PPA telephones	PA telephones	At operational dispatching centers	At railway stations	At entry signals	At exit signals	At level crossings (PP)	At automatic block (APB)	Others	Teleprinters	Telefaxes	
			pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
5	101	BGD-Šid-State Border	55	25	360	6	1	0	0	13	35	35	23	11	0	6	0	18
3	102	BGD-Mladenovac-Niš-Preševo-State Border.	284	54	1347	40	2	2	11	60	117	117	87	170	0	31	2	4
4	103	(BGD)-Rakovica-Jajinci-M.Krsna-V.Plana	31	96	44	2	0	0	0	20	38	36	44	41	0	3	0	8
2	104	(BGD)-S.Pazova-Inđija-Subotica-State Border.	59	30	665	3	2	0	4	19	39	38	31	55	25	5	0	3
22	105	Niš-Dimitrovgrad-State Border.	2	0	28	0	11	0	0	4	7	6	16	6	0	0	0	9
6	106	BGD Centar-Pančevo-Vršac-State Border.	46	0	245	6	5	0	1	7	30	15	4	12	15	6	0	5
1	107	(BGD)-Resnik-Podgorica-Bar	89	52	418	59	0	0	2	35	69	70	28	70	70	15	0	59
20	108	Lapovo-Kraljevo-Đ.Janković-State Border.	61	0	283	1	16	0	2	2	8	4	10	0	2	2	0	12
26	109	Subotica-Bogojevo-State Border.	22	0	2	0	0	0	0	0	1	0	4	0	0	0	0	3
7	110	Beograd Centar-Novi Beograd	6	2	0	0	0	0	0	1	2	5	0	1	0	1	0	1
8	111	BGD Centar-Rasputnica"G"-(Rakovica)	8	0	8	0	0	0	0	0	6	5	0	4	0	0	0	0
15	112	BGD Ranžirna "A"-Ostružnica-Batajnica	0	1	6	0	1	0	0	2	6	5	2	14	0	1	0	0
14	113	BGD Ranžirna."B"-Ostružnica	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
13	114	BGD Ranžirna "A"-Rasp."B"-Rasp."K"-Resnik	3	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0
25	115	Ostružnica-Rasp."B"-(Rasp."K"-Resnik)	2	0	0	0	0	0	0	0	2	0	1	3	0	0	0	0
10	116	BGD Ranžirna "B"-Rasp."R"-Rasp."A"	6	0	90	10	0	0	4	4	4	3	0	2	0	2	1	0
11	117	(BGD Ranžima "B")-Rasp."R"-Rakovica	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
9	118	(BGD)-BGD Ranžirna "A"-Rasp."T"-Rakovica	3	0	168	33	0	0	0	0	0	0	0	0	0	3	0	0
12	119	BGD Ranžirna "B"-Rasputnica "T"-(Rakovica)	2	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
16	120	(BGD Ranz."A"-Ras.B)-Ras.K-Ras.K1-Jajinci	3	0	80	10	0	0	0	5	4	0	0	0	0	2	1	0
29	121	Topčider-Rasp.Savski Most-(Novi BGD)	1	0	0	0	1	0	0	1	3	0	0	1	0	0	0	0
28	122	Topč.-Blok 1Obala-Blok 2 prel.-Ras.Pan.Most	2	0	0	0	2	2	0	0	1	0	3	0	0	2	0	0
27	123	(Topč)-Blok 1Obala-BGD Spoljna-Blok 2 prel	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	124	(Vukov Sp.)-Ras.K.Park-Ras.Dedinje-(Rakov.)	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	125	Inđija-Golubinci	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0
24	126	N.Sad-N.Sad Ranžirna-Sajlovo Rasp.	5	1	20	0	0	0	0	0	2	0	0	0	0	0	0	1
41	127	Obilazni kolosek Mala Krsna	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0
21	128	Lapovo Varoš-Lapovo Ranžirna-Lapovo	7	0	2	0	0	0	0	2	4	0	0	0	0	1	0	1
30	129	Trupale-Niš Ranžima-Međurovo	2	0	85	0	0	0	0	4	2	0	0	0	5	2	0	0
17	130	Crveni Krst-Niš Ranžirna	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
23	131	Niš-Rasputnica Most-(Niš Ranžirna)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	132	(Cr.Krst-Skr.2)-Skr.3-Skr.4-(Ćele Kula)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	201	Subotica-Horgoš-State Border.	13	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2
43	202	Pančevo Glavna-Zrenjanin-Kikinda-State Border.	41	0	216	4	0	0	0	1	0	0	1	0	0	1	6	13
32	203	Banatsko Miloševo-Senta-Subotica	5	0	6	0	0	0	0	0	1	0	0	0	0	0	0	0
44	204	Pančevo Varoš-Rasputnica "2a"-(Jabuka)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	205	N.Sad-Sajlovo Rasputnica-Bogojevo	0	0	15	0	15	0	0	0	2	1	1	0	0	0	0	2
40	206	(N.Sad)-Sajl.Rasp.-R.Šanč.-Orl.staj.-(Tomaš)	6	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
38	207	N.Sad Ranžirna-Sajlovo Rasputnica	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
42	208	Orlovat-Rasputnica "1a"-(Lukićevo)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	209	Ruma-Šabac-Rasp.Donja Borina-State Border.	15	1	45	0	0	0	0	0	0	0	0	0	0	0	0	0
50	211	Stalać-Kraljevo-Požega	21	0	80	0	1	0	0	8	16	2	4	0	9	2	0	0
49	214	Smederevo-Mala Krsna	14	0	6	0	0	0	0	2	4	4	8	0	0	0	0	2
34	215	M.Krsna-Bor-Rasputnica "2"-(Vražogmac)	26	0	125	6	20	4	0	10	3	0	16	0	0	2	1	12
35	216	Niš-Zaječar- Prahovo pristanište	12	0	200	2	16	0	0	1	2	1	0	0	0	0	0	0
64	218	(Niš)-Doljevac-Kastrat-Kosovo Polje	7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
62	219	Kuršumlija-Kastrat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	220	(Barlovo)-Rasputnica "1"-Kuršumlija	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	301	Subotica-Subotica fabrika	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	302	Subotica-Subotica bolnica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	303	Kanjiža-Horgoš	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	304	Novi Sad-Novi Sad ložionica	4	0	30	0	0	0	0	0	1	0	0	0	0	0	0	1
37	305	Podbara-Rasput. "3"-Rasput. "2"-(Kać)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No	Railway line No	EXCHANGE UNITS													
		Telephone										Telegraph			
		"Step by step" system		Cross-bar		EMD with electric motor dialler		ESK		Electronic		"Step by step" system		Dispatching exchanges	Station dispatching devices
		type	pcs	type	pcs	type	pcs	type	pcs	type	pcs	type	pcs	pcs	pcs
1		19	20	21	22	23	24	25	26	27	28	29	30	31	32
5	101		2		1		0		3		0	TW-39	1	0	15
3	102		4		2		0		10		2	tg-529	2	5	37
4	103		1		0		0		1		0	TW-39	1	0	45
2	104	eb5 fb5	3	L60	0		0		2		0	TW-39	1	2	26
22	105		0		1		0		1		0		0	0	0
6	106		0		0		0		0	dkts	0		0	1	6
1	107	ISKRA	2	0	1	Siemens	2	0	0	žeatc 100	2	TW-39	1	2	37
20	108		1		1		0		0		0	TW-39	0	0	1
26	109		0		0		0		0	omni s3	1		0	0	0
7	110		0		1		0		0		0		0	0	1
8	111		0		0		0		0		0		0	0	1
15	112		0		0		0		0		0		0	0	0
14	113		0		0		0		0		0		0	0	0
13	114		0		0		0		0		0		0	0	0
25	115		0		0		0		0		0		0	0	0
10	116		0		1		0		0		0		0	0	0
11	117		0		0		0		0		0		0	0	0
9	118		0		0		0		0		0		0	0	0
12	119		0		0		0		0		0		0	0	0
16	120		0		0		0		0		0		0	0	0
29	121		0		0		0		0		0		0	0	0
28	122		0		0		0		0		0		0	0	0
27	123		0		0		0		0		0		0	0	0
31	124		0		0		0		0		0		0	0	0
19	125		0		0		0		0		0		0	0	0
24	126		0		0		0		0		0		0	0	0
41	127		0		0		0		0		0		0	0	0
21	128		0		0		0		0		0		0	0	0
30	129		0		1		0		0		0		0	0	4
17	130		0		0		0		0		0		0	0	0
23	131		0		0		0		0		0		0	0	0
18	132		0		0		0		0		0		0	0	0
51	201		0		0		0		0		0		0	0	0
43	202	fb5	1		1		0		0		0	TW-39	1	0	0
32	203		0		0		0		0		0		0	0	0
44	204		0		0		0		0		0		0	0	0
39	205		0		1		0		0		0		0	0	0
40	206		0		0		0		0		0		0	0	0
38	207		0		0		0		0		0		0	0	0
42	208		0		0		0		0		0		0	0	0
47	209		0		0		0		0		0		0	0	0
50	211		1		1		0		0		0		0	0	8
49	214		0		0		0		0		0		0	0	0
34	215		1		0		0		0		0		0	0	0
35	216		1		0		0		0		0		0	0	0
64	218		0		0		0		0		0		0	0	0
62	219		0		0		0		0		0		0	0	0
56	220		0		0		0		0		0		0	0	0
76	301		0		0		0		0		0		0	0	0
75	302		0		0		0		0		0		0	0	0
65	303		0		0		0		0		0		0	0	0
36	304		0		0		0		0		0		0	0	0
37	305		0		0		0		0		0		0	0	0

No	Railway line No	RAILWAY LINE	FINAL TERMINAL DEVICES															Sound signalling devices	EXCHANGE UNITS													
			Telephone						Traff.remote control desks		Trackside telephones					Telegraph			Telephone								Telegraph					
			LB telephone devices	CB telephone devices	Automatic telephone devices	Secretary sets	PPA telephones	PA telephones	At operational dispatching centers	At railway stations	At entry signals	At exit signals	At level crossings (PP)	At automatic block (APB)	Others	Teleprinters	Telefaxes		"Step by step" system		Cross-bar		EMD with electric motor dialler		ESK		Electronic		"Step by step" system		Dispatching exchanges	Station dispatching devices
			pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	type	pcs	type	pcs	type	pcs	type	pcs	type	pcs	type	pcs	pcs	pcs
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
45	306	(Rim.Šančevi)-Rasput "1"-Rasput. "3"-(Podb.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
33	308	Vrbas-Sombor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
69	309	Petrovaradin-Beočin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
74	310	Sonta-Apatin fabrika-Strilić-(Sombor)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
54	311	Bač-Karavukovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
55	312	Bačka Palanka-Gajdobra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
46	313	(Ruma)-Rasp.Donja Borina-Zvornik Grad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
52	314	Šid-Sremska Rača Nova-State Border.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
60	315	Kikinda-Banatsko Arandelovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
71	316	Sečanj-Jaša Tomić	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
81	317	(Zrenjanin)-Zrenjanin fabr.Vršac-Bela Crkva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
67	318	Pančevo Varoš-Pančevo Vojlovica	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
78	319	(Uljma)-RaspA-RaspB-(Jasenovo)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
48	320	Senta-Odvojna skr. 22 Senta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
70	321	(Požarevac)-Rasput.Sopot Pož.-Kostolac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
63	322	Markovac-Resavica	9	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
66	323	Ovča-Padinska Skela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
53	403	Alibunar-Seleuš	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
80	404	Vladimirovac-Kovin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
59	405	Čoka-Novi Kneževac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
61	406	Kikinda-MKS (ind.kolosek)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
58	407	Bogojevo-Dunavska obala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
72	408	Sombor-Bački Breg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
73	409	Sombor-Rađica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
79	410	(Višnjićevo)-Rasput.Rača-Sremska Rača	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
68	411	Paraćin-Stari Popovac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
77	412	Surčin-Jakovo-Bečmen-(Boljevci)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
57	413	(Bgd spoljna)-km 2+290-Fabrika šećera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0	0	0
Total:			**880**	**262**	**4598**	**182**	**96**	**8**	**24**	**201**	**415**	**351**	**284**	**397**	**126**	**88**	**11**	**156**		**17**		**12**		**2**		**17**		**5**		**7**	**10**	**181**

No	Railway line No	RAILWAY LINE	OTHER TELECOMMUNICATION DEVICES																							
			Devices for recording of transmitted statements				Devices displaying accurate time					PA devices				Interphones				Power supply devices				Passenger visual information displays			
			8 channels	12 channels	16 channels	24 channels	Number of stations	Clock exchange units	Master clocks	Impulse regenerators	Auxiliary clocks	Number of statons	Amplifiers	Speakers	Microphone console	Number of stations	Interphone exchange units	For indoor installation	For outdoor installation	Acummulator batteries	Rctifiers	Converters	Motor electric generator units	Number of stations	Control desks	Information displays	Information kiosks
			pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs
1		2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
5	101	BGD-Šid-State Border	1	1	0	0	3	2	1	13	5	13	22	3	35	0	0	0	0	16	16	0	0	10	0	0	0
3	102	BGD-Mladenovac-Niš-Preševo-State Border.	6	2	0	1	6	2	21	78	323	20	50	325	20	6	4	38	17	72	71	0	1	1	1	4	0
4	103	(BGD)-Rakovica-Jajinci-M.Krsna-V.Plana	1	0	0	0	20	0	20	20	18	1	1	6	1	0	0	0	0	25	25	0	0	0	0	0	0
2	104	(BGD)-S.Pazova-Indija-Subotica-State Border.	1	1	1	1	7	0	3	12	133	3	11	124	10	1	0	1	0	110	111	0	3	1	0	0	0
22	105	Niš-Dimitrovgrad-State Border.	1	0	0	0	0	0	2	3	20	1	1	3	1	0	0	0	0	7	13	0	0	0	0	0	0
6	106	BGD Centar-Pančevo-Vršac-State Border.	2	0	1	0	5	3	3	5	92	2	52	1131	3	1	1	56	0	3	2	0	0	2	3	93	0
1	107	(BGD)-Resnik-Podgorica-Bar	1	0	1	0	34	0	34	34	212	7	7	72	6	1	1	3	1	62x12V 222x2V 16x6V	47	0	0	0	0	0	0
20	108	Lapovo-Kraljevo-Đ.Janković-State Border.	1	0	0	0	3	0	3	0	18	3	3	24	0	0	0	0	0	28	26	1	0	0	0	0	0
26	109	Subotica-Bogojevo-State Border.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0
7	110	Beograd Centar-Novi Beograd	0	0	0	0	0	0	1	1	2	5	7	27	6	0	0	0	0	4	8	0	0	0	0	0	0
8	111	BGD Centar-Rasputnica"G"-(Rakovica)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	112	BGD Ranžirna "A"-Ostružnica-Batajnica	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0
14	113	BGD Ranžirna."B"-Ostružnica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	114	BGD Ranžirna "A"-Rasp."B"-Rasp."K"-Resnik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
25	115	Ostružnica-Rasp."B"-(Rasp."K"-Resnik)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	116	BGD Ranžirna "B"-Rasp."R"-Rasp."A"	0	0	0	2	0	0	1	0	20	0	5	20	1	0	0	0	0	1	3	0	0	0	0	0	0
11	117	(BGD Ranžirna "B")-Rasp."R"-Rakovica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	118	(BGD)-BGD Ranžirna "A"-Rasp."T"-Rakovica	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	119	BGD Ranžirna "B"-Rasputnica "T"-(Rakovica)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	120	(BGD Ranz."A"-Ras.B)-Ras.K-Ras.K.1-Jajinci	0	0	0	0	3	0	3	0	10	0	4	31	2	0	0	0	0	1	2	0	0	0	0	0	0
29	121	Topčider-Rasp.Savski Most-(Novi BGD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
28	122	Topč.-Blok 1Obala-Blok 2 prel.-Ras.Pan.Most	0	0	0	0	0	0	0	0	3	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0
27	123	(Topč)-Blok 1Obala-BGD Spoljna-Blok 2 prel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	124	(Vukov Sp.)-Ras.K.Park-Ras.Dedinje-(Rakov.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	125	Indija-Golubinci	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	126	N.Sad-N.Sad Ranžirna-Sajlovo Rasp.	0	0	0	0	0	0	0	1	10	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
41	127	Obilazni kolosek Mala Krsna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	128	Lapovo Varoš-Lapovo Ranžirna-Lapovo	0	0	0	0	0	0	2	2	3	1	1	2	1	0	0	0	0	3	3	0	0	0	0	0	0
30	129	Trupale-Niš Ranžirna-Međurovo	0	0	0	0	0	0	1	0	26	1	6	35	1	0	0	0	0	2	3	0	0	0	0	0	0
17	130	Crveni Krst-Niš Ranžirna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	131	Niš-Rasputnica Most-(Niš Ranžirna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	132	(Cr.Krst-Skr.2)-Skr.3-Skr.4-(Čele Kula)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	201	Subotica-Horgoš-State Border.	0	0	0	0	0	0	1	0	3	0	1	3	1	0	0	0	0	2	2	0	0	0	0	0	0
43	202	Pančevo Glavna-Zrenjanin-Kikinda-State Border.	1	0	0	0	0	0	0	0	0	2	2	7	2	0	0	0	0	2	6	0	0	0	0	0	0
32	203	Banatsko Miloševo-Senta-Subotica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	204	Pančevo Varoš-Rasputnica "2a"-(Jabuka)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	205	N.Sad-Sajlovo Rasputnica-Bogojevo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	206	(N.Sad)-Sajl.Rasp.-R.Šanč.-Orl.staj.-(Tomaš)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	207	N.Sad Ranžirna-Sajlovo Rasputnica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	208	Orlovat-Rasputnica "1a"-(Lukićevo)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	209	Ruma-Šabac-Rasp.Donja Borina-State Border.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	211	Stalać-Kraljevo-Požega	0	0	0	0	2	0	2	1	14	3	2	20	1	0	0	0	0	17	20	0	0	0	0	0	0
49	214	Smederevo-Mala Krsna	0	0	0	0	2	0	0	1	2	1	1	6	1	0	0	0	0	1	1	0	0	0	0	0	0
34	215	M.Krsna-Bor-Rasputnica "2"-(Vražogrnac)	0	0	0	0	8	0	2	7	10	3	4	22	3	0	0	0	0	18	10	0	0	0	0	0	0
35	216	Niš-Zaječar- Prahovo pristanište	0	0	0	0	1	0	1	0	0	1	2	20	1	0	0	0	0	5	1	0	0	0	0	0	0
64	218	(Niš)-Doljevac-Kastrat-Kosovo Polje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	219	Kuršumlija-Kastrat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	220	(Barlovo)-Rasputnica "1"-Kuršumlija	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	301	Subotica-Subotica fabrika	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	302	Subotica-Subotica bolnica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	303	Kanjiža-Horgoš	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	304	Novi Sad-Novi Sad ložionica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
37	305	Podbara-Rasput. "3"-Rasput. "2"-(Kać)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	306	(Rim.Šančevi)-Rasput "1"-Rasput. "3"-(Podb.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	308	Vrbas-Sombor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	309	Petrovaradin-Beočin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	310	Sonta-Apatin fabrika-Strilić-(Sombor)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	311	Bač-Karavukovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	312	Bačka Palanka-Gajdobra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No	Railway line No	RAILWAY LINE	OTHER TELECOMMUNICATION DEVICES																									
			Devices for recording of transmitted statements				Devices displaying accurate time					PA devices				Interphones				Power supply devices				Passenger visual information displays			
			8 channels	12 channels	16 channels	24 channels	Number of stations	Clock exchange units	Master clocks	Impulse regenerators	Auxiliary clocks	Number of stations	Amplifiers	Speakers	Microphone console	Number of stations	Interphone exchange units	For indoor installation	For outdoor installation	Acummulator batteries	Rectifiers	Converters	Motor electric generator units	Number of stations	Control desks	Information displays	Information kiosks
			pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs
1		2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
46	313	(Ruma)-Rasp.Donja Borina-Zvornik Grad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	314	Šid-Sremska Rača Nova-State Border.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	315	Kikinda-Banatsko Arandelovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	316	Sečanj-Jaša Tomić	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	317	(Zrenjanin)-Zrenjanin fabr.Vršac-Bela Crkva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	318	Pančevo Varoš-Pančevo Vojlovica	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	319	(Uljma)-RaspA-RaspB-(Jasenovo)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	320	Senta-Odvojna skr. 22 Senta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	321	(Požarevac)-Rasput.Sopot Pož.-Kostolac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	322	Markovac-Resavica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	323	Ovča-Padinska Skela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	403	Alibunar-Seleuš	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	404	Vladimirovac-Kovin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	405	Čoka-Novi Kneževac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	406	Kikinda-MKS (ind.kolosek)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	407	Bogojevo-Dunavska obala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	408	Sombor-Bački Breg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	409	Sombor-Riđica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	410	(Višnjićevo)-Rasput.Rača-Sremska Rača	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	411	Paraćin-Stari Popovac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	412	Surčin-Jakovo-Bečmen-(Boljevci)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	413	(Bgd spoljna)-km 2+290-Fabrika šećera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:			**16**	**5**	**5**	**4**	**94**	**7**	**101**	**178**	**941**	**67**	**183**	**1886**	**97**	**9**	**6**	**98**	**18**	**328**	**379**	**1**	**4**	**14**	**4**	**97**	**0**

No	Railway line No	RAILWAY LINE	CABLE SYSTEMS							MULTI-CHANNEL DEVICES																			
			Overhead lines			Cable lines				Analogue telephone											Digital telephone									
			Two-wire overhead lines SiBr	Two wire overhead lines -iron	Overhead cables	STKA	STA	Fiber optic	Local	up to 3 channels		Up to 12 channels		Over 12 channels		Above ground amplifiers	In-ground amplifiers	Telegraph		2 Mbit/s		8 Mbit/s		155 Mbit/s		Above ground amplifiers	In-ground amplifiers		
			km	km	km	km	km	km	km	type	pcs	type	pcs	type	pcs	pcs	pcs	type	pcs	type	pcs	type	pcs	type	pcs	pcs	pcs		
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
5	101	BGD-Šid-State Border	0	0	0	135,061	0	0	0		0	Z 12	0	V300	0	0	0	iskra	0		0		0		0	0	0		
3	102	BGD-Mladenovac-Niš-Preševo-State Border.	0	0	0	384,168	162,917	0	111,88	z 3	0	Z12	16	V300	4	28	16	iskra	15	siemens	0		0	KeymileUMUX STM-1	0	0	0		
4	103	(BGD)-Rakovica-Jajinci-M.Krsna-V.Plana	0	0	0	0	105,043	0	0		0	Z 12	3		0	5	0	iskra	3		0		0		0	0	0		
2	104	(BGD)-S.Pazova-Inđija-Subotica-State Border.	0	0	0	135,857	15,878	0	71,00		0	FPD12 Z12	4		0	11	0	AUSO UTB ISKRA	4		0		0		0	0	0		
22	105	Niš-Dimitrovgrad-State Border.	0	0	74,00	12,479	0	0	3,67		0	VZ12k	0		0	0	0		0		0		0		0	0	0		
6	106	BGD Centar-Pančevo-Vršac-State Border.	2,00	0	13,00	0	26,000	0	10,000	Z3F	0	Ausso	0		0	0	0	iskra	0	siemens	0		0	KeymileUMUX STM-1	0	0	0		
1	107	(BGD)-Resnik-Podgorica-Bar	0	0	0	370,388	0	0	63,144	EI	1	Z 12	2	V300	4	4	28	siemens-WT100 EI	6		0		0		0	0	0		
20	108	Lapovo-Kraljevo-Đ.Janković-State Border.	0	0	90,34	0	5,350	0	5,347	z3f	1	Z 12	1		0	0	0		0		0		0		0	0	0		
26	109	Subotica-Bogojevo-State Border.	0	0	20,00	0	0	0	7,561		0		0		0	0	0		0		0		0		0	0	0		
7	110	Beograd Centar-Novi Beograd	0	0	0	0	3,648	0	0		0		0		0	0	0	iskra	0		0		0		0	0	0		
8	111	BGD Centar-Rasputnica"G"-(Rakovica)	0	0	0	0	0	0	0		0		0		0	0	0	iskra	0		0		0		0	0	0		
15	112	BGD Ranžirna "A"-Ostružnica-Batajnica	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
14	113	BGD Ranžirna."B"-Ostružnica	0	0	0	0	11,755	0	0		0		0		0	0	0		0		0		0		0	0	0		
13	114	BGD Ranžirna "A"-Rasp."B"-Rasp."K"-Resnik	0	0	0	0	34,460	0	0		0		0		0	0	0	iskra	0		0		0		0	0	0		
25	115	Ostružnica-Rasp."B"-(Rasp."K"-Resnik)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
10	116	BGD Ranžirna "B"-Rasp."R"-Rasp."A"	0	0	0	0	10,250	0	0		0		0		0	0	0		0		0		0		0	0	0		
11	117	(BGD Ranžirna "B")-Rasp."R"-Rakovica	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
9	118	(BGD)-BGD Ranžirna "A"-Rasp."T"-Rakovica	0	0	0	0	0	0	22,559		0		2		0	0	0		1		0		0		0	0	0		
12	119	BGD Ranžirna "B"-Rasputnica "T"-(Rakovica)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
16	120	(BGD Ranz."A"-Ras.B)-Ras.K-Ras.K1-Jajinci	0	0	0	0	2,130	0	0		0		0		0	0	0		0		0		0		0	0	0		
29	121	Topčider-Rasp.Savski Most-(Novi BGD)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
28	122	Topč.-Blok 1Obala-Blok 2 prel.-Ras.Pan.Most	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
27	123	(Topč)-Blok 1Obala-BGD Spoljna-Blok 2 prel	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
31	124	(Vukov Sp.)-Ras.K.Park-Ras.Dedinje-(Rakov.)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
19	125	Inđija-Golubinci	0	0	0	0	9,536	0	0		0		0		0	0	0		0		0		0		0	0	0		
24	126	N.Sad-N.Sad Ranžirna-Sajlovo Rasp.	0	0	0	2,000	0	0	2,700		0		0		0	0	0		0		0		0		0	0	0		
41	127	Obilazni kolosek Mala Krsna	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
21	128	Lapovo Varoš-Lapovo Ranžirna-Lapovo	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
30	129	Trupale-Niš Ranžirna-Međurovo	0	0	0	0	0	0	0		0		0		0	0	0	iskra	1		0		0		0	0	0		
17	130	Crveni Krst-Niš Ranžirna	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
23	131	Niš-Rasputnica Most-(Niš Ranžirna)	0	0	0	0	17,257	0	31,500		0		0		0	0	0		0		0		0		0	0	0		
18	132	(Cr.Krst-Skr.2)-Skr.3-Skr.4-(Čele Kula)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
51	201	Subotica-Horgoš-State Border.	0	0	10	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
43	202	Pančevo Glavna-Zrenjanin-Kikinda-State Border.	0	2,65	41,2	1,5	0	0	4,451		0		0		0	0	0		0		0		0		0	0	0		
32	203	Banatsko Miloševo-Senta-Subotica	0	0	0	0	0	0	1,660	Kt3-1	0		0		0	0	0		0		0		0		0	0	0		
44	204	Pančevo Varoš-Rasputnica "2a"-(Jabuka)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
39	205	N.Sad-Sajlovo Rasputnica-Bogojevo	0	29	0	0	0	0	14,5		0		0		0	0	0		0		0		0		0	0	0		
40	206	(N.Sad)-Sajl.Rasp.-R.Šanč.-Orl.staj.-(Tomaš)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
38	207	N.Sad Ranžirna-Sajlovo Rasputnica	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
42	208	Orlovat-Rasputnica "1a"-(Lukićevo)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
47	209	Ruma-Šabac-Rasp.Donja Borina-State Border.	0	0	0	0	0	0	0	Z3F	0		0		0	0	0		0		0		0		0	0	0		
50	211	Stalać-Kraljevo-Požega	0	0	14,6	0	70,40	72,95	27,093	Z3F	2	Z12	0		0	2	0		0		0		0		0	0	0		
49	214	Smederevo-Mala Krsna	0	0	0	0	26,4	0	0		0		0		0	0	0		0		0		0		0	0	0		
34	215	M.Krsna-Bor-Rasputnica "2"-(Vražogrnac)	0	0	0	0	0	0	0		0		0		0	0	0	iskra	1		0		0		0	0	0		
35	216	Niš-Zaječar- Prahovo pristanište	0	0	0	0	0	0	47,000	Z3F	0		0		0	0	0	iskra	0		0		0		0	0	0		
64	218	(Niš)-Doljevac-Kastrat-Kosovo Polje	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
62	219	Kuršumlija-Kastrat	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
56	220	(Barlovo)-Rasputnica "1"-Kuršumlija	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
76	301	Subotica-Subotica fabrika	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
75	302	Subotica-Subotica bolnica	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
65	303	Kanjiža-Horgoš	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		
36	304	Novi Sad-Novi Sad ložionica	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0		

No	Railway line No	RAILWAY LINE	CABLE SYSTEMS							MULTI-CHANNEL DEVICES																	
			Overhead lines			Cable lines				Analogue telephone								Telegraph		Digital telephone							
			Two-wire overhead lines SiBr	Two wire overhead lines -iron	Overhead cables	STKA	STA	Fiber optic	Local	up to 3 channels		Up to 12 channels		Over 12 channels		Above ground amplifiers	In-ground amplifiers			2 Mbit/s		8 Mbit/s		155 Mbit/s		Above ground amplifiers	In-ground amplifiers
			km	km	km	km	km	km	km	type	pcs	type	pcs	type	pcs	pcs	pcs	type	pcs	type	pcs	type	pcs	type	pcs	pcs	pcs
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
37	305	Podbara-Rasput. "3"-Rasput. "2"-(Kač)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
45	306	(Rim.Šančevi)-Rasput "1"-Rasput. "3"-(Podb.)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
33	308	Vrbas-Sombor	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
69	309	Petrovaradin-Beočin	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
74	310	Sonta-Apatin fabrika-Strilić-(Sombor)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
54	311	Bač-Karavukovo	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
55	312	Bačka Palanka-Gajdobra	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
46	313	(Ruma)-Rasp.Donja Borina-Zvornik Grad	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
52	314	Šid-Sremska Rača Nova-State Border.	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
60	315	Kikinda-Banatsko Arandelovo	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
71	316	Sečanj-Jaša Tomić	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
81	317	(Zrenjanin)-Zrenjanin fabr.Vršac-Bela Crkva	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
67	318	Pančevo Varoš-Pančevo Vojlovica	0	0	0	0	6	0	3		0		0		0	0	0		0		0		0		0	0	0
78	319	(Uljma)-RaspA-RaspB-(Jasenovo)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
48	320	Senta-Odvojna skr. 22 Senta	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
70	321	(Požarevac)-Rasput.Sopot Pož.-Kostolac	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
63	322	Markovac-Resavica	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
66	323	Ovča-Padinska Skela	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
53	403	Alibunar-Seleuš	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
80	404	Vladimirovac-Kovin	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
59	405	Čoka-Novi Kneževac	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
61	406	Kikinda-MKS (ind.kolosek)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
58	407	Bogojevo-Dunavska obala	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
72	408	Sombor-Bački Breg	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
73	409	Sombor-Ridica	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
79	410	(Višnjićevo)-Rasput.Rača-Sremska Rača	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
68	411	Paraćin-Stari Popovac	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
77	412	Surčin-Jakovo-Bečmen-(Boljevci)	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
57	413	(Bgd spoljna)-km 2+290-Fabrika šećera	0	0	0	0	0	0	0		0		0		0	0	0		0		0		0		0	0	0
Total			**2,000**	**31,650**	**263,142**	**1041,453**	**507,024**	**72,950**	**427,07**		**4**		**28**		**8**	**50**	**44**		**31**		**0**		**0**		**0**	**0**	**0**

No	Railway line No	RAILWAY LINE	RADIO DEVICE														
			Locomotive dispatching radio devices				Traffic running networks (2m)						Station radio networks (0,7m)				
			Exchange units (with railway line splitter)	Length of covered railway line	Trackside stations	Locomotive stations	Number of networks	Radio link	Repeaters	Fixed stations	Mobile stations	Movable stations	Number of networks	Repeaters	Fixed stations	Mobile stations	Movable stations
			pcs	km	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs
1		2	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
5	101	BGD-Šid-State Border	1	100	8	0	0	0	0	0	0	0	8	0	8	0	21
3	102	BGD-Mladenovac-Niš-Preševo-State Border.	3	377	42	8	0	0	0	0	0	0	17	3	19	3	53
4	103	(BGD)-Rakovica-Jajinci-M.Krsna-V.Plana	1	100	12	0	0	0	0	0	0	0	1	0	1	0	3
2	104	(BGD)-S.Pazova-Indija-Subotica-State Border.	1	155	10	4	0	0	0	0	0	5	7	1	16	0	74
22	105	Niš-Dimitrovgrad-State Border.	0	0	0	0	0	0	0	0	0	0	3	0	3	0	12
6	106	BGD Centar-Pančevo-Vršac-State Border.	0	20	4	0	1	0	1	13	0	4	4	0	4	0	11
1	107	(BGD)-Resnik-Podgorica-Bar	1	176	35	0	0	0	0	0	0	0	14	1	13	4	35
20	108	Lapovo-Kraljevo-Đ.Janković-State Border.	0	0	0	0	1	0	1	16	4	0	0	0	0	0	0
26	109	Subotica-Bogojevo-State Border.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	110	Beograd Centar-Novi Beograd	1	10	0	164	0	0	0	0	0	0	0	0	0	10	0
8	111	BGD Centar-Rasputnica"G"-(Rakovica)	0	10	2	0	0	0	0	0	0	0	0	0	0	0	0
15	112	BGD Ranžirna "A"-Ostružnica-Batajnica	0	20	2	0	0	0	0	0	0	0	0	0	0	0	0
14	113	BGD Ranžirna."B"-Ostružnica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	114	BGD Ranžirna "A"-Rasp."B"-Rasp."K"-Resnik	1	20	3	0	0	0	0	0	0	0	0	0	0	0	0
25	115	Ostružnica-Rasp."B"-(Rasp."K"-Resnik)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	116	BGD Ranžirna "B"-Rasp."R"-Rasp."A"	0	8	4	0	0	0	0	0	0	0	6	1	3	0	19
11	117	(BGD Ranžirna "B")-Rasp."R"-Rakovica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	118	(BGD)-BGD Ranžirna "A"-Rasp."T"-Rakovica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	119	BGD Ranžirna "B"-Rasputnica "T"-(Rakovica)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	120	(BGD Ranz."A"-Ras.B)-Ras.K-Ras.K1-Jajinci	0	0	0	0	0	0	0	0	0	0	3	0	5	1	12
29	121	Topčider-Rasp.Savski Most-(Novi BGD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	122	Topč.-Blok 1Obala-Blok 2 prel.-Ras.Pan.Most	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	123	(Topč)-Blok 1Obala-BGD Spoljna-Blok 2 prel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	124	(Vukov Sp.)-Ras.K.Park-Ras.Dedinje-(Rakov.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	125	Inđija-Golubinci	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	126	N.Sad-N.Sad Ranžirna-Sajlovo Rasp.	0	0	0	0	0	0	0	0	0	0	4	0	4	0	11
41	127	Obilazni kolosek Mala Krsna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	128	Lapovo Varoš-Lapovo Ranžirna-Lapovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	129	Trupale-Niš Ranžirna-Međurovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	130	Crveni Krst-Niš Ranžirna	0	0	0	0	0	0	0	0	0	0	5	0	8	2	19
23	131	Niš-Rasputnica Most-(Niš Ranžirna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	132	(Cr.Krst-Skr.2)-Skr.3-Skr.4-(Čele Kula)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	201	Subotica-Horgoš-State Border.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	202	Pančevo Glavna-Zrenjanin-Kikinda-State Border.	0	0	0	0	1	0	2	11	0	2	0	0	0	0	0
32	203	Banatsko Miloševo-Senta-Subotica	0	0	0	0	1	0	2	8	0	6	0	0	0	0	0
44	204	Pančevo Varoš-Rasputnica "2a"-(Jabuka)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	205	N.Sad-Sajlovo Rasputnica-Bogojevo	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
40	206	(N.Sad)-Sajl.Rasp.-R.Šanč.-Orl.staj.-(Tomaš)	0	0	0	0	1	0	2	18	0	4	0	0	0	0	0
38	207	N.Sad Ranžirna-Sajlovo Rasputnica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	208	Orlovat-Rasputnica "1a"-(Lukićevo)	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
47	209	Ruma-Šabac-Rasp.Donja Borina-State Border.	0	0	0	0	1	0	1	8	0	2	2	0	2	0	5
50	211	Stalać-Kraljevo-Požega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	214	Smederevo-Mala Krsna	0	0	0	0	0	0	0	0	0	0	4	0	4	0	12
34	215	M.Krsna-Bor-Rasputnica "2"-(Vražogrnac)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	216	Niš-Zaječar- Prahovo pristanište	0	0	0	0	1	2	2	14	0	4	3	0	2	0	5
64	218	(Niš)-Doljevac-Kastrat-Kosovo Polje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	219	Kuršumlija-Kastrat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	220	(Barlovo)-Rasputnica "1"-Kuršumlija	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	301	Subotica-Subotica fabrika	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	302	Subotica-Subotica bolnica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	303	Kanjiža-Horgoš	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	304	Novi Sad-Novi Sad ložionica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	305	Podbara-Rasput. "3"-Rasput. "2"-(Kać)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	306	(Rim.Šančevi)-Rasput "1"-Rasput. "3"-(Podb.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	308	Vrbas-Sombor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	309	Petrovaradin-Beočin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	310	Sonta-Apatin fabrika-Strilić-(Sombor)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	311	Bač-Karavukovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	312	Bačka Palanka-Gajdobra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	313	(Ruma)-Rasp.Donja Borina-Zvornik Grad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	314	Šid-Sremska Rača Nova-State Border.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	315	Kikinda-Banatsko Aranđelovo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	316	Sečanj-Jaša Tomić	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	317	(Zrenjanin)-Zrenjanin fabr.Vršac-Bela Crkva	0	0	0	0	0	0	0	0	0	0	1	0	2	0	4
67	318	Pančevo Varoš-Pančevo Vojlovica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	319	(Uljma)-RaspA-RaspB-(Jasenovo)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	320	Senta-Odvojna skr. 22 Senta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	321	(Požarevac)-Rasput.Sopot Pož.-Kostolac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	322	Markovac-Resavica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	323	Ovča-Padinska Skela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	403	Alibunar-Seleuš	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	404	Vladimirovac-Kovin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	405	Čoka-Novi Kneževac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	406	Kikinda-MKS (ind.kolosek)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	407	Bogojevo-Dunavska obala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	408	Sombor-Bački Breg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	409	Sombor-Riđica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	410	(Višnjićevo)-Rasput.Rača-Sremska Rača	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	411	Paraćin-Stari Popovac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	412	Surčin-Jakovo-Bečmen-(Boljevci)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	413	(Bgd spoljna)-km 2+290-Fabrika šećera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:			**9**	**996**	**122**	**176**	**8**	**2**	**11**	**89**	**4**	**27**	**83**	**6**	**95**	**20**	**298**

Appendix 3.8. List of service points where it is possible to perform the transhipment of dangerous goods

The user or the authorized person is liable for safe transhipment and provision of required permits for transhipment issued by the competent authorities (ministry, local self-government, etc.) in case such permits are presrcribed by law or by-laws. The Infrastructure Manager is not obliged to control permits and appovals issued by the competent authorities. In case of an accident during transhipment, the user or authorized person undertakes all necessary measures for making handling point functional.

Transhipment of the respective dangerous goods may be carried out on the handling point (handling area, ramp), i.e. the facility placed beside the track referred to in column 3, Table 1 of this Appendix. Transhipment shall be performed in compliance with the applicable regulations of the Republic of Serbia in the field of transport of dangerous goods, health and safety at work, environmental protection, waste treatment, fire protection, etc., complying with the essential safety measures which shall be provided as follows:

Keeping, disposal and storage of dangerous goods in the area of service point, including handling point is prohibitied.

The handling point where transhipment is carried out must be enclosed or in any other way separated from passenger transport or from the handling point (loading, unloading, transhipment) with the goods not classified as dangerous (not RID). If a handling point is not enclosed, the client must mount movable fence which shall be removed upon handling (made of plastic orange material used in construction).

The handling point where transhipment is carried out shall have „RID – warning plate on the handling point“. In case an IZS' service point, within which there is the place of handling with dangerous goods, does not have „RID – warning plate on the handling point“, the user of the handling point (consignee, consignor or authorized person) is obliged to provide the said plate at their own expense during the entire period of handling. The plate shall be made of sheet, with red colour base, on which the text with white letter is inscribed. The text shall read: RID WARNING – HANDLING WITH DANGEROUS GOODS. Minimum plate size is 600x500 mm. The plate shall look like as indicated:

Transhipment of the dangerous goods is carried out during the visible part of day, but it may be performed at night, with electrical lighting whereby the electrical devices that cannot cause fire or explosion may be used. In case an IZS service point, within which there is the point of handling with dangerous goods does not have capacity for electrical lighting, the user of the handling point shall be obliged to provide necessary lighting at their own expense during the entire period of handling.

In case that said track is under OCL, during transhipment the voltage must be turned off and the track shall be secured in a duly manner.

Road vehicle engine shall be turned off during transhipment.

The disposal of the flammable and material which may cause or intensify fire is prohibited. Furthermore, it is forbidden to dirty the handling area with oil or oil derivatives (out of road freight vehicle).

Fire lighting or work with any open flame, use of tools which sparks and the devices with burner as well as smoking are forbidden during transhipment.

The user of the handling point (consignee, consignor or the authorized person) is obliged to perform cleaning and remove waste, which has been generated during the process of handling with dangerous goods, to the dumpsite, upon the completion of handling activities, in accordance with the Law on Waste Management, Law on Environmental Protection and other legislation and by-laws in the field of environmental protection. In case the user of authoried person does not clean the area after transhipment and does not take waste to the respective dumpsite outside the station, the railway undertaking shall perform cleaning.

The user of the handling point is obliged that, in the process of handling with dangerous goods, comply with the Law on Transport of Dangerous Goods and Law on Protection at Work (to take care on safety and health at work of their employees on the handling point), and particularly to get them acquainted, in a proven manner, with the hazards of stay in railway area (general safety of movement in IZS's service points, way of conduct in service points, restrictions in movement, hazards from high voltage and other hazards).

Simultaneous transhipment at the same place of handling with dangerous goods of different classes is forbidden.

The service points where transhipment of certain dangerous goods from railway wagons into road vehicle and vice versa is performed are given in the Table of this Appendix.

Upon the request of the interested parties, Infrastructure of Serbian Railways JSC may approve transhipment of other dangerous goods, as well as in service points not given in the Table of this Appendix, in case there are conditions met for handling in the service point, and if the approval of the competent authority is provided for the goods that are being transhipped if it is prescribed by the law (ministries, local self-government units, , i.e. the Ministry of Interior's services).

For more information please contact:

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The table consists of 8 columns, with the following content:

- column No 1 „ordinal No";
- column No 2 „Name of a service point", contains the name and code of the station or transport dispatching point, i.e. the name and code of the unmanned loading point whereby the content in brackets indicates the name and code of its control/supervisory station;
- column No 3 „Track", contains ordinal number or name of track in accordance with Station regulations (transport dispatching point or loading point);
- columns 4, 5 and 6 „Dangerous goods", contain NHM code, UN item/number for indication of hazards and class of dangerous goods, whichof transhipment may be carried out;
- column No 7 „Notes", contains specific information relating to specific boxes.

Table: List of service points open for transhipment of dangerous goods

No	Name of service point	Track	Dangerous goods			Notes
			NHM	UN / number for hazards indication	Class	
1	2	3	4	5	6	7
1.	Adrovac	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
2.	Aleksinac	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
3.	Bagrdan	6	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
4.	Bačka Topola	1, 5, 7	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
5.	Bor Freight	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
6.	Valjevo	II line	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
7.	Velika Plana	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
8.	Vranje	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
9.	Vršac	11, 19	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
10.	Grejač	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
11.	Žednik	1, 6a	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
12.	Zmajevo	5	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
13.	Zrenjanin	1, 10	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
14.	Zrenjanin Factory	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
15.	Jagodina	1, 8	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
16.	Kikinda	20, 21	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
17.	Kula	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
18.	Lapovo	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
19.	Lapovo marshalling yard	Station for disinfecting	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
20.	Leskovac	New track	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
21.	Lešak	1 short	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
22.	Mala Krsna	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
23.	Mladenovac	1, 7	3105 20 3102 30	2067/50 1942/50	5.1 5.1	

24.	Novi Sad Marshalling Yard	2, 3, 4, 7 Locomotive and freight stations	3105 20 3102 30 2807 00 2806 10 2815 12 2808 00 2809 20 2815 11 2828 90	2067/50 1942/50 1830/80 1789/80 1824/80 2031/80 1805/80 1823/80 1791/80	5.1 5.1 8 8 8 8 8 8 8	
25.	Ostružnica	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
26.	Palanka	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
27.	Pančevo varoš	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
28.	Pančevo Main St.	20, 21	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
29.	Paraćin	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
30.	Pirot	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
31.	Požarevac	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
32.	Požega	19	3105 20 3102 30 3102 30	2067/50 1942/50	5.1 5.1	
33.	Prijepolje Freight	13	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
34.	Prokuplje	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
35.	Resavica	Right dead-end track	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
36.	Ruma	1, 2	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
37.	Svilajnac	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
38.	Senta	1, 10,11	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
39.	Sombor	20, 21	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
40.	Sremska Mitrovica	1,9	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
41.	Stalać	1 short track	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
42.	Subotica	1, 33, 34 and 36 freight station	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
43.	Ćićevac	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
44.	Ćuprija	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
45.	Užice Freight	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
46.	Čačak	1-dead-end track	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
47.	Šabac	1,7	3105 20 3102 30	2067/50 1942/50	5.1 5.1	

48.	Stara Pazova	7	3102 30	1942/50	5.1	
49.	Kruševac	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	
50.	Vrbas	10,11	3105 20	2067/50	5.1	
51.	Bajmok	1	3105 20 3102 30	2067/50 1942/50	5.1 5.1	Only for goods in sacks
52.	Futog	1	3105 20 3102 30	2067/50	5.1 5.1	

Appendix 3.9. Alternative transport routes

No	Regular route	Distance (km)	Alternative route	Distance (km)
1	Subotica-Novi Sad	98.5	Subotica-Sombor-Vrbas-Novi Sad	150.5
2	Subotica-Novi Sad	98.5	Subotica-Sombor-Bogojevo-Novi Sad	165.4
3	Subotica-Novi Sad	98.5	Subotica-Zrenjanin-N.Sad	230.6
4	Subotica-Belgrade	175.6	Subotica-Zrenjanin-Pančevo-Belgrade	234.6
5	Novi Sad-Belgrade	77.1	Novi sad-Orlovat-Pančevo-Belgrade	148
6	Kikinda-Subotica	96.4	Kikinda-Orlovat-N.Sad-Subotica	271
7	Belgrade-Lapovo	109.6	Belgrade-Požega-Kraljevo-Lapovo	306.1
8	Belgrade-Lapovo-Kraljevo	194.3	Belgrade-Požega-Kraljevo	221.4
9	Belgrade-Niš	243.5	Belgrade-Požarevac-Zaječar-Niš	372.9
10	Belgrade-Požega	154.9	Belgrade-Lapovo-Kraljevo-Požega	260.8
11	Belgrade-Požega-Vrbnica(ŽCG)	299.3	Belgrade-Lapovo-Kraljevo-Požega-Vrbnica(ŽCG)	405.2
12	Belgrade-Smederevo	83.1	Belgrade-Mladenovac-V.Plana-Smederevo	132.8

Note: For departure/terminal station the names of the nodes are given, and various service points may be comprised within the respective node.

Appendix 3.10. Facilities for rolling stock maintenance

Maintenance of railway vehicles is performed in accordance with the Rulebook on Railway Vehicle Maintenance (Official Gazette of the Republic of Serbia, No 101/2015, 24/16 and 36/17).

Service facilities for provision of the basic services- where the works on the maintenance of vehicles are executed, and which are not carried out regularly as the part of daily activities requiring the vehicle to be detached from traffic are the organizational units of the other companies and Infrastructure of Serbian Railways JSC does not provide this type of services.

In accordance with the available data, service facilities and basic maintenance services provided by the Joint Stock Company for Passenger Railway Transport "Srbija Voz", Belgrade are as follows:

Location	Address	Facility	Primary Purpose	Basic Information
Zemun	Milana Rešetara bb	Depot Zemun	Maintenance of electric rolling stock and passenger coaches	Area: 10.200 m2 6 tracks of unit length 220 m
		Depot for underfloor wheel lathe	Wheel processing of rolling stock	Area: 350 m2 It has underfloor wheel lathe without dismantling of wheel-sets
Lapovo	Lava Tolstoja 10	Workshop	Regular maintenance of electric and diesel locomotives	Area: 85 m2 Disposes of service canal of 36m and platform but without a canopy
		Maintenance depot	Maintenance of electric and diesel locomotives and motor trains	Area: 1.part 1088 m2 and second part 625 m2 It has two running lines 2 out of which there are two canals on one line in the length of 50m and 20m. It disposes of single-axle weighbridge for measuring and adjusting the axle load of the rolling stock.
Sombor	Braće Miladinom 1	Hangar	Maintenance of DMUs, and may be used for maintenance of freight wagons and diesel locomotives	Area:1337,5 m2 It has two tracks of the length 78 m and 24 m; it disposes of underfloor wheel lathe for wheel processing on rolling stock without dismantling.
		Depot for railbuses		Area: 687 m2 има 1 колосек дужине 78 m
Zrenjanin	Dr Vase Stajica 2	Depot for railbuses	Maintenance of railbuses and replacement of wheel-sets of 711 DMUs	Area: 277 m2 1 canal in the length of 27 m
		Depot for DMUs	Maintenance of DMUs	Area: 432 m2 1 track in the length of 34 m
Vršac	Pavliški put bb	Depot for maintenance of rolling	Inspections and extraordinary repairs of smaller scope on diesel traction units and	Area: 787 m2 Two tracks in the length of 40 m

		stock	DMUs, as well as the overhauls of freight wagons	
Zaječar	Železnička bb	Workshop for repair of locomotives	Maintenance of diesel traction units and freight wagons	Area: 1250 m2 4 track out of which two are, unit length- 50 m

For more information on the provision of basic services in the above facilities responsible is their user in „Srbija Voz“, Belgrade, Department for Rolling Stock Maintenance.

Contact point: Director of Department for Rolling Stock Maintenance - Mr. Vladan Petrović
Address: 6 Nemanjina St.
11000 Belgrade, Serbia
E-mail: vladan.petrovic@srbrail.rs
Phone: +381 64 845 22 64

Information on service facilities and services provided by the Joint Stock Company for Freight Railway Transport “Srbija Kargo”, may be found on the web-site: www.srbcargo.rs/usluge.

Appendix 3.10a. Information on the service facility managed by Nelt Co

Nelt
The Way of Logistics

Nelt Co d.o.o.
Maršala Tita 206
P. fah 530
11272 Dobanovci
Srbija

t +381 11 3779 100
f +381 11 3779 140
office@nelt.com
www.nelt.com
www.neltlsp.rs

PIB 100037645
MB 17304712

Sektor za pristup železničkoj infrastrukturi
Nemanjina 6, Srbija
Datum: 21.12.2020.

PREDMET: INFORMACIJE O USLUŽNOM OBJEKTU – Industrijski kolosek „NELT Co", koji je deo Nelt Terminala

U stanici Surčin na pruzi Beograd Ranžirna, Park B - Ostružnica - Batajnica za javnu železničku infrastrukturu kojom upravlja "Infrastruktura Železnice Strbije" ad priključen je industrijski kolosek čiji je vlasnik „Nelt.Co." d.o.o. Beograd.
Industrijski kolosek je namenjen samo za prijem i otpremu kolskih pošiljaka i isti se ne koristi za potrebe prevoza opasnih materija.
Industrijski kolosek počinje u nastavku četvrtog koloseka stanice Surčin odvojnom skretnicom br:2, u km. 14+166,57 pruge Beograd Ranžirna A– Ostružnica – Batajnica.
Industrijski kolosek „NELT Co" doo Beograd, odvaja se od javne železničke infrastrukture, kojom upravlja "Infrastruktura Železnice Srbije" ad, u stanici Surčin koja je nalazi u km 14+635,60 (*sredina stanične zgrade*) jednolosečne elektrificirane pruge Beograd Ranžirna, Park B - Ostružnica - Batajnica.
Skretnica br. 1c industrijskog koloseka „NELT Co" doo Beograd , matični kolosek razdvaja na dva kraka odnosno na dva koloseka
Industrijski kolosek je ukupne građevinske dužine 1293,31m i sastoji se od tri dela i to:

- matičnog koloseke građevinske dužine 616,00 m
- Kolosek I građevinske dužine 348,00 m
- Kolosek II građevinske dužine 343,31 m

Koloseci I i II imaju korisnu dužinu svaki po 300 m tako da je ukupna korisna dužina na industrijskom koloseku 600 m.
Industrijski kolosek oposobljen je za kategoriju pruge C2 odnosno za:

- najveću dozvoljenu masu po osovini do 20 t/os (200 kN/os) i
- najveću dozvoljenu masu dužnom metru do 6,4 t/m (64 kN/m)

Koloseci I i II su na industrijskom koloseku vezani samo sa jedne strane tako da se na drugom kraju završavaju grudobranima,.

Manevru od stanice Surcin do Industrijski kolosek „NELT Co", za sada obavlja železnički operater „Srbija Cargo" ad.

Posedujemo 1 reach stacker kojim vršimo manipulacije kontejnera sa voza koji pristigne na Industrijski kolosek „NELT Co",

Cena za manipulacije punih kontejnera naplacuju se EUR 25 a praznih kontejnera EUR 20, obracunata u dinarskoj protivvrednosti

Nelt
The Way of Logistics

Nelt Co d.o.o.
Maršala Tita 206
P. fah 530
11272 Dobanovci
Srbija

t +381 11 3779 100
f +381 11 3779 140
office@nelt.com
www.nelt.com
www.neltlsp.rs

PIB 100037645
MB 17304712

Radno vreme Nelt terminala je radnim danima od 08h – 21h, subotom od 08h-16h, nedelja je neradni dan. Praznicima ne radimo

Nelt terminala
Ul. Maršala Tita 206, 11272, Dobanovci
+381 60 8318595
+381 11 3779 33
www.nelt.com

S poštovanjem,

Intermodalni terminal Nelt

Jelena Tovan...

Appendix 3.11. Railway infrastructure development projects

The National Assembly, upon the proposal of the Government, passes the National Program for the railway infrastructure, which contains:

1. the existing characteristics and condition of the railway infrastructure of the Republic of Serbia;
2. strategy for construction, reconstruction and maintenance of the railway infrastructure;
3. development components in the construction of the new infrastructure capacities of special significance for the Republic of Serbia;
4. defining of the structure, time schedule for realization of priorities, level and sources of the financial assets needed for completion of the National Program activities.

National Program is passed for a five-year period.

Based on the National Program, the Infrastructure Manager prepares the annual program for construction, reconstruction and maintenance of the railway infrastructure, organization and regulation of the railway traffic.

No	Project			Estmated commencement of works (date or quarter)	Duration of works	Works' execution method
1	Modernization (construction and reconstruction) of the railway line Belgrade –Subotica –state border (Kelebia) section **Belgrade Center – Stara Pazova**	Stage 1: Belgrade Center (excl.) –Zemun (incl.)	left	05.07.2018.	21.10.2020.	Works are executed with interruption of traffic along the right track during time interval from 10:00 pm to 05:00 am NOTE: Because of works in Zemun station, since May 15th 2019 traffic is performed by a single track, at the right track only.
			right	21.10.2020.	Q2 2022	Works are executed with interruption of traffic along the reconstructed left track during time interval from 10:00 pm to 05:00 am
		Stage 2: Batajnica (incl.)- Stara Pazova incl.)	left	16.08.2019.	Q1 2021	Works are executed with interruption of traffic along the right track during time interval from 10:00 pm to 05:00 am
			right	Q2 2021	Q2 2022	Works are executed with interruption of traffic along the reconstructed left track during time interval from 10:00 pm to 05:00 am

		Stage 3: Zemun (excl.)-Batajnica (excl.)	right	25.11.2020.	Q2 2022	Works are executed with interruption of traffic along the left track during time interval from 10:00 pm to 05:00 am
			left	04.11.2019.	25.11.2020.	Works are executed with interruption of traffic along the reconstructed right track during time interval from 10:00 pm to 05:00 am
2	Modernization (construction and reconstruction) of the railway line Belgrade –Subotica –state border (Kelebia) section **Stara Pazova- Novi Sad**			01.02.2019.	Q2 2022	Works are executed on the construction of the tunnel and viaduct, as well as on the new track, with traffic interruption between stations Inđija (incl.) – Novi Sad (excl.)
3	Modernization (construction and reconstruction) of the railway line Belgrade –Subotica –state border (Kelebia) section **Novi Sad - Subotica**			Q2 2021	Q4 2023	Traffic interruption on the part of the line Belgrade – Subotica – state border between stations Novi Sad (excl.)-Subotica (excl.)
4	Civil engineering reconstruction of the Niš – Dimitrovgrad railway line, section Sićevo - Dimitrovgrad			Q3 2021	Estimated duration of the works: end of 2023.	Execution of the works and traffic performance according to the schedule: 36/36/36/60
5	Electrification of the Niš – Dimitrovgrad railway line, section Sićevo - Dimitrovgrad			Q4 2021	Estimated duration of the works: end of 2023.	Execution of the works and traffic performance will be realized alternately in intervals agreed with the Contractor.
6	Reconstruction of the section Niš- Brestovac, from km 244+600 (exit from Niš station) to km 267+430 (entrance into Brestovac station)			Q3 2021	Q3 2023	Execution of the works and traffic performance according to the schedule: 36/36/36/60
7	Construction of a northern bypass around city of Niš: - Crveni Krst – Pantelej – Matejevac - Trupale – Crveni Krst - Trupale – Niš Ranžirna			Q3 2022	Estimated duration of the works: end of 2023	Execution of the works and traffic performance will be realized alternately in intervals agreed with the Contractor.

Note: Since the works under the No. 4. and 6. will be executed at the same time and in accordance with the same time schedule (36 hours of traffic – 36 hours of line closure) traffic of trains will be organized

alternately (traffic on the relation Niš – Brestovac will be organized during the closure of Niš – Dimitrovgrad, and vice versa).

Appendix 4.1. Request for train path allocation (form)

Application form for train path allocation

Railway undertaking - operator:		
Address:		
Contact person:		
Tel.	Fax.	e-mail:
Place and date:		

1. BASIC INFORMATION ON THE REQUESTED TRAIN PATH						
Train type	Train No in the previous timetable	Desired time		Route		
		departure	arrival	from	to	via
NOTES						

2. TRAIN TIMETABLE INFORMATION		
Stops in service points	Staying time in service points [min]	Running calendar

3. TRAIN INFORMATION							
Type of traction, serial No of traction unit, route	Additional traction units, serial No of traction unit, function in the train, route	Series and No of the wagon /motor unit	Train mass [t]	Train length [m]	Braking		Maximum train speed [km/h]
					Type	Percentage [%]	

4. OTHER REQUIREMENTS

L.S. SIGNATURE

_____

Appendix 4.1a. Request for train path allocation (e-papir)

Republic of serbia
JSC „Infrastructure of Serbian Railways“
Rail Infrastructure Accsess Department
www.infrazs.rs

REQUEST

FOR TRAIN PATH ALLOCATION

Basic information about the applicant																	
Bussines name / title																	
Head office																	
Contact phone																	
Name and surname of the representative																	
Identification number									PIB								
Email address																	

Basic data on the required train path						
Train type	Number of train i previous TT	Desired time		Route		
		departure	arrival	from	to	via
Note						
Train timetable data						
Stops in service points	Staying time in service points [min]	Running calendar				

Train data							
Type of traction, serial No of traction unit, route	Additional traction units, serial No of traction unit, function in the train, route	Series and No of the wagon /motor unit	Train mass [t]	Train lenght [m]	Braking		Maximum train speed [km/h]
					Type	Percentage [%]	
Special note							

I am aware that, if I do not submit the stated data, necessary for the decision-making of the body within 8 days, the request for initiating the procedure will be considered irregular.

The request can also be submitted on sektor.pzi@srbrail.rs

In _____ , on _____ _____

Applicant's signature

INFORMATION FOR THE APPLICANT

Deadline for resolving the submitted request	30 days before the start of the timetable

Appendix 4.2. Instruction for completion of the Request for train path allocation

1.	Train type	Specify train category: Passenger train (EuroCity, InterCity, express, fast, semi-fast, passenger, cross-border, suburban, train of accompanied motorcars, travel agent's train, empty train); Freight train (single type of load train, single wagon load train, intermodal train, express, fast, direct, sectional, block train, pick-up goods train, circuit-working train, industrial, military, train with empty wagons, locomotive, test)
	Train No in the previous timetable	Specify the number of the train from the previous timetable, whose path elements match applicant's request (eg. 541, 40760,…)
	Desired time	Specify the desired time of the train departure from the origin station or the time of arrival to the destination station
	Route	Specify the origin and destination station of the train route and characteristic service point between those two stations which define the train route
2.	Stops in service points	Specify all service points where the train needs to stop
	Staying time in service points	Specify the needed staying time in each service point, in minutes
	Running calendar	Specify the days of the train running. For the trains whose running calendar covers several days, indicate the calendar on the entire route. In case a train path for an optional train is requested, indicate "Optional".
3.	Type of traction, serial No of traction unit, route	Specify traction type (electric or diesel), serial number of traction (operating) locomotive if there is change of traction on the required route
	Additional traction units, serial No of traction unit, function in the train, route	Specify number of additional traction units, traction units type (electric or diesel), serial number, position on the train (engine, double heading, banking,…) additional traction unit running route
	Series and No of the wagon/motor unit	Specify wagon series (letter designation of wagon series) and number of wagons of the train i.e. series, number and serial number of multiple-unit sets (DMU/EMU)
	Train mass	Specify weight of all vehicles on the train including weight of operating locomotives
	Train length	Specify train length in metres without the length of operating locomotives

	Braking	Braking type: specify braking type (G, P, R, Mg,…)
		Braking percentage: specify braking percentage which has to be considered during timetabling
	Maximum train speed	Specify maximum train speed considering characteristics of vehicles on the train
4.	Other requirements	Specify other requirements of the train such as: shunting of vehicles, change of train composition, connection, staff shift, type of intermodal transport unit, dangerous goods type, special consignments, hand-over procedures on border crossings, trains hand-over on mutual confidence, technical stops (inspection, water supply, waste handling and similar) and time period required, need for additional track capacities (side tracking, pre-heating/cooling, forming of trains and similar), need for access to other additional service facilities and similar.

Appendix 4.3. Deadlines for annual 2021/2022 timetable preparation

Phase	Authority	Deadline
International annual capacity allocation requests	RU	12.02.2021.
Regular deadline for submitting allocation requests for annual train timetable	IM	13.12.2020.-12.04.2021.
Coordination and harmonization of requests	IM/RU	13.04.2021.-05.07.2021.
Presentation of the First Draft timetable to RU	IM	05.07.2021.
Draft review – remarks, suggestions, proposals and opinions	IM/RU	06.07.2021.-06.08.2021.
Draft timetable 2021/2022	IM	23.08.2021.
Solving of problems and questions	IM	24.08.2021.-31.08.2021.
Extraordinary requests (remaining capacities)	RU	18.10.2021.
Timetable coming into effect	IM	12.12.2021.

Appendix 4.4. Deadlines for amendments to annual 2021/2022 Timetable

Submission date of requests for amendments to annual timetable	Deadline for capacity allocation	Application date for amendments to annual timetable
13.12.2021.	24.01.2022.	**07.02.2022.**
07.02.2022.	28.03.2022.	**11.04.2022.**
11.04.2022.	23.05.2022.	**12.06.2022.**
11.07.2022.	22.08.2022.	**05.09.2022.**
08.08.2022.	12.09.2022.	**03.10.2022.**

Appendix 5.1. Overview of railway lines on which train running is possible when they are manned only with engine driver

Train running with engine driver only in a traction unit, without train crew (engine driver – without train crew), can be performed on the following lines:

- Belgrade-Stara Pazova – Šid – state border - (Tovarnik);
- (Belgrade) - Stara Pazova -Novi Sad - Subotica - state border – (Kelebija);
- Belgrade - Mladenovac-Lapovo-Niš-Preševo - state border - (Tabanovci);
- Belgrade – Rakovica – Jajinci - Mala krsna - Velika Plana;
- Belgrade Centar - Pančevo Varoš - (Vršac);
- Belgrade – Resnik – Požega - Belgrade-Stara Pazova – Šid – state border - (Tovarnik);
- (Belgrade) - Stara Pazova -Novi Sad - Subotica - state border – (Kelebija);
- Belgrade - Mladenovac-Lapovo-Niš-Preševo - state border - (Tabanovci);
- Belgrade) – Rakovica – Jajinci - Mala krsna - Velika Plana;
- Belgrade Centar - Pančevo Varoš - (Vršac);
- Belgrade – Resnik – Požega – Vrbnica- state border- (Bijelo Polje)- section Resnik- Požega- Užice;
- Inđija - Golubinci;
- Novi Sad – Novi Sad Marshalling Yard – Open line junction Sajlovo;
- Belgrade Centar – Novi Belgrade;
- Belgrade Centar - Open line junction G – (Rakovica);
- Belgrade Marshalling Yard „A“ – Ostružnica - Batajnica;
- Belgrade Marshalling Yard „B“- Ostružnica;
- Belgrade Marshalling Yard „A“-Open line junction „B“-Open line junction „K/K1“- Resnik;
- Ostružnica – Open line junction „B“ – (Open line junction“K/K1“);
- Belgrade Marshalling Yard „B“ – Open line junction „R“-Open line junction „A“-(Resnik);
- (Belgrade Marshalling Yard „B“) – Open line junction „R“ –Rakovica;
- Belgrade Marshalling Yard „A“ – Open line junction „T“ – Rakovica;
- Belgrade Marshalling Yard „B“ – Open line junction „T“ – (Rakovica);
- Connecting line in the area of Open line junction „K/K1“: (Open line junction „B“) – switch „K“ – switch „K1“ – (Jajinci);
- Topčider – Open line junction Savski most – Novi Belgrade;
- (Open line junction Pančevački most) – Open line junction Karađorđev park – Open line junction Dedinje – (Open line junction G);
- By-pass line of Mala Krsna station: (Kolari) – junction points 1 – junction points 28 – (Osipaonica);
- Open line junction Lapovo Varoš – Lapovo Marshalling Yard – Lapovo;
- Trupale – Niš Marshalling Yard – Međurovo;
- Crveni krst – Niš Marshalling Yard;
- Niš – Open line junction bridge – (Niš Marshalling Yard);
- Mala Krsna – Požarevac – (Bor);
- Pančevo Varoš – Pančevo Vojlovica;
- Smederevo – Mala Krsna;
- Novi Sad Marshalling yard – Open line junction Sajlovo.

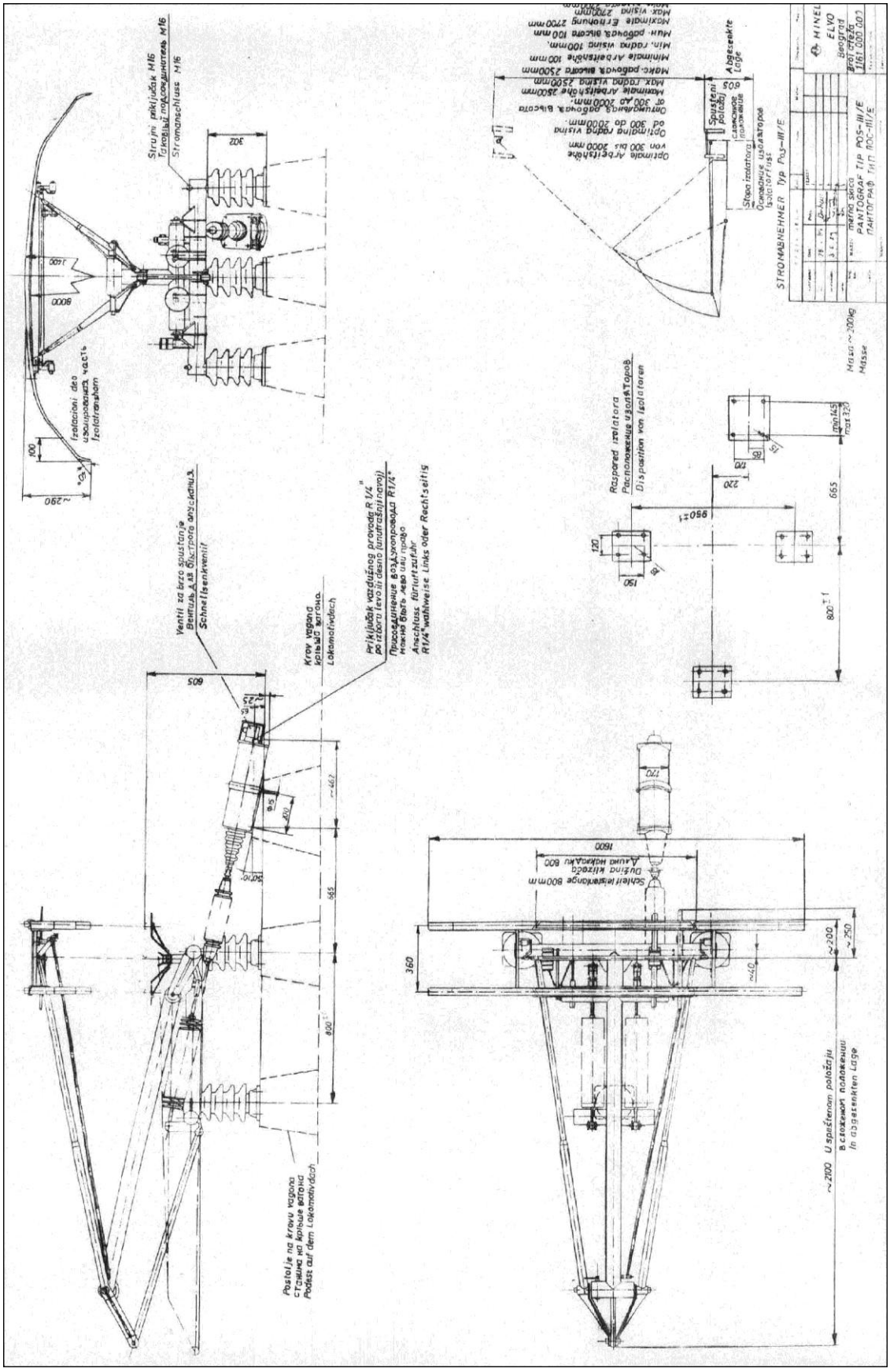
On the other lines, in particular cases, train running can be performed with engine driver – without train crew in compliance with terms stipulated in the Annex II of the Traffic Rulebook– Rulebook 2 ("Official Gazette of the Community of Yugoslav Railways ", No 3/94, 4/94,5/94,4/96 and 6/03).

Appendix 5.2. Overview of the lines fulfilling the conditions for train running with an engine driver only

List of Serbian Railways Infrastructure lines that do not meet the conditions for operation of traction units with an engine driver only (other lines meet the conditions):

- (Belgrade) – Resnik – Požega- Vrbnica- state border (Bijelo Polje) - Užice – Vrbnica section.

Appendix 5.3. Geometry of pantograph (current collector) TIP POS - 254/III used on IŽS network



Appendix 6. Register of infrastructure data

Date of handover to public transport		Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation		Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freight/ Transport	Minimum curve radius	Gradient of the station [‰]	Rolling gradient		Rolling resistance of the line [daN]		Loading gauge	Altitude
Right track	Left track								Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains											Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18	19	20	21	22	23	24	25	26	27	28	29	30
			0+000	BEOGRAD CENTAR	1						506	5 и 6	506	5 и 6		1	16052				P	P		0,0						
03.06.1984.		*3,172	4+765	NOVI BEOGRAD	1	S	M	D4			650	3	650	4	station distance	1	16003				P	P	600	0,0	0	10	-	10	ŽS-1	
01.10.1928.	03.06.1984.	2,400	7+165	TOŠIN BUNAR	3	S	M	D4							station distance	1	16012				P	P	700						ŽS-1	
	10.12.1970.	3,539	10+704	ZEMUN	1	S	M	D4	50		554	1 и 2	548	7 и 8	station distance	1	16002			S	P	P/F(1)	700	1,0	5	0	5	-	ŽS-1	
		3,169	13+873	ZEMUNSKO POLJE	1	S	M	D4			670	3 и 4	713	1 и 2	station distance	1	16001			S	P	P/F(1)	800	2,0	0	5	-	5	ŽS-1	
		6,827	20+700	BATAJNICA	1	S	M	D4			853	3	862	4	station distance	1	16204			S	P	P/F(1)		1,0	0	2	-	2	ŽS-1	
		6,443	27+143	NOVA PAZOVA	1	S	M	D3			661	2 и 3	754	4 и 5	station distance	1	16501			S	P	P/F	10000	0,0	1	1	1	1	ŽS-1	79,11
		7,801	34+944	STARA PAZOVA	1	S	M	D3			657	2 и 3	659	4 и 5	station distance	1	16503			S	P	P/F	3000	0,0	3	1	3	1	ŽS-1	84,96
		9,417	44+361	GOLUBINCI	1	S	M	D3	80		655	2 и 3	749	4 и 5	station distance	1	16505				P	P	2500	0,0	8	6	9	3	ŽS-1	101,57
2009	23.05.2005.	*8,708	53+713	PUTINCI	1	D	M	D3			697	2 и 3	786	4 и 5	RC with AB	1	16506			S	U	P	3000	0,0	1	2	1	2	ŽS-1	96,94
01.10.1928.	01.12.1883.	6,087	59+800	KRALJEVCI	3	D	M	D3	120						RC with AB	1	16507				P	P	4000	0,0					ŽS-1	102,06
		5,055	64+855	RUMA	1	D	M	D3			712	2 и 3	653	4 и 5	RC with AB	1	16550			S/E	P	P/F	3000	0,0	6	5	6	6	ŽS-1	100,96
		8,564	73+419	VOGANJ	1	D	M	D3	50		731	2 и 3	776	4 и 5	RC with AB	1	16508				U	P	10000	0,0	0	3	0	3	ŽS-1	91,7
		8,302	81+721	SREMSKA MITROVICA	1	D	M	D3			700	4 и 5	672	2 и 3	RC with AB	1	16509			S	P	P/F	10000	0,0	0	2	0	2	ŽS-1	84,77
15.11.1928.	07.10.1891.	4,379	86+100	LAĆARAK	3	D	M	D3							RC with AB		16510						1300	0,0					ŽS-1	81,77
		7,976	94+076	MARTINCI	1	D	M	D3			614	4 и 5	667	2 и 3	RC with AB	1	16511					P	10000	0,0	1	3	1	3	ŽS-1	84,66
		5,124	99+200	KUZMIN	3	D	M	D3							RC with AB		16512						10000	0,0					ŽS-1	
		5,818	105+018	KUKUJEVCI/ERDEVIK	1	D	M	D3	100	30	552	2 и 3	673	4 и 5	RC with AB	1	16513				U	P/F	10000	0,0	2	2	2	2	ŽS-1	87,29
		4,082	109+100	BAČINCI	3	D	M	D3							RC with AB		16514						1500	0,0					ŽS-1	83,79
		3,600	112+700	GIBARAC	3	D	M	D3							RC with AB		16515							0,0					ŽS-1	86,71
		3,665	116+365	ŠID	1	D	M	D3			665	2 и 3	707	4 и 5	RC with AB	1	16516	Yes	S/E		P	P/F	15000	0,0	4	3	4	3	ŽS-1	96,2
		5,585	121+950	DRŽAVNA GRANICA	15	D	M	D3	80						station distance		16517						15000		1	4	1	4	ŽS-1	84,93

MAIN LINES

101 Beograd Centar - Stara Pazova - Šid - State Border - (Tovarnik)

[1] open for train traffic for the needs of work on the reconstruction and construction of the railway

102 Beograd Centar - Rasputnica G - Rakovica - Mladenovac - Lapovo - Niš - Preševo - State Border - (Tabanovce)

Date of handover to public transport		Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation		Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freight/ Transport	Minimum curve radius	Gradient of the station [‰]	Rolling gradient		Rolling resistance of the line [daN]		Loading gauge	Altitude
Right track	Left track								Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains											Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18	19	20	21	22	23	24	25	26	27	28	29	30
			0+000	BEOGRAD CENTAR	1						508	5 и 6	506	5 и 6		1	16052				P	P		0,0						
25.05.1993.		1,337	1+337	RASPUTNICA DEDINJE	6	D	M	D4	70						AB with TWT	1							300						ŽS-1	
		3,079	4+416	RASPUTNICA G	6	D	M	D4							AB with TWT	1							700		8	7	10	7	ŽS-1	
17.09.1934.	03.09.1884.	*1,738	8+533	RAKOVICA	1	D	M	D4	80	80	702	4	702	5	AB with TWT	1	16103				P	P	300	1,5	5	0	6	-	ŽS-1	
		2,167	10+700	KNEŽEVAC	3	D	M	D4							AB with TWT	1	16102					P							ŽS-1	
25.05.1993.		0,180	10+880	RASPUTNICA A	6	D	M	D4	70	70					AB with TWT	1													ŽS-1	
		0,849	11+729	KIJEVO	3	D	M	D4							AB with TWT	1	16101				P								ŽS-1	
		2,330	14+059	RESNIK	1	D	M	D4			730	3	730	3	AB with TWT	1	15501				P	P/F	400	7,9	6	3	7	4	ŽS-1	
		3,871	17+930	PINOSAVA	2	S	M	D4	50		709	1 и 2	707	1 и 2	RC with AB	1	15401				U		300	5,5	6	0	8	-	ŽS-1	
03.09.1884.		2,191	20+121	RIPANJ KOLONIJA	3	S	M	D4							RC with AB		15408												ŽS-1	
		1,196	21+317	RIPANJ	1	S	M	D4			777	4	781	4	RC with AB	1	15402			S	U	P/F	300	9,0	9	0	10	-	ŽS-1	
		3,443	24+760	KLENJE	1	S	M	D4	70		753	3	710	3	RC with AB	1	15403				U	P	300	7,4	8	0	10	-	ŽS-1	
		4,832	29+592	RIPANJ TUNEL	1	S	M	D4			659	1	659	1	RC with AB	1	15404				U	P	300	17,0	12	0	15	-	ŽS-1	
		5,138	34+730	RALJA	1	S	M	D4			692	2	692	2	RC with AB	1	15405			S	P	P/F	300	7,2	12	13	15	14	ŽS-1	
		6,778	41+508	SOPOT KOSMAJSKI	1	S	M	D4			681	2	681	2	RC with AB	1	15406			S	U	P/F	400	4,8	0	13	-	15	ŽS-1	
03.09.1884.		6,240	47+748	VLAŠKO POLJE	1	S	M	D4	100		667	4	656	4	RC with AB	1	15407			S	U	P/F	800	3,5	1	4	1	4	ŽS-1	
		5,362	53+110	MLADENOVAC	1	S	M	D4			651	3	649	3	RC with AB	1	15460			S	P	P/F	500	2,3	2	5	3	6	ŽS-1	
		6,946	60+056	KOVAČEVAC	1	S	M	D4			838	3	838	3	RC with AB	1	13701				U	P	520	0,3	1	5	1	5	ŽS-1	
		2,869	62+925	RABROVAC	3	S	M	D4							RC with AB		13702					P							ŽS-1	
		4,625	67+550	KUSADAK	1	S	M	D4			693	2	696	2	RC with AB	1	13703			S	U	P/F	500	1,3	3	4	3	4	ŽS-1	
		2,770	70+320	RATARE	3	S	M	D4							RC with AB		13704				U	P							ŽS-1	
		3,680	74+000	GLIBOVAC	2	S	M	D4			798	3	797	3	RC with AB	1	13705				U	P	800	1,1	1	4	1	4	ŽS-1	
		4,564	78+564	PALANKA	1	S	M	D4			647	3	642	3	RC with AB	1	13706			S	P	P/F	500	6,5	3	1	4	1	ŽS-1	
		7,006	85+570	MALA PLANA	1	S	M	D4			746	3	742	3	RC with AB	1	13707			S	U	P	950	7,0	2	7	2	7	ŽS-1	
		4,864	90+434	VELIKA PLANA	1	S	M	D4			785	3	866	4	RC with AB	1	13401			E	P	P/F	700		8	5	9	5	ŽS-1	

Date of handover to public transport		Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
Right track	Left track								Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains										Inclline	Slope	←	→		
—	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
09.05.1934.	03.09.1884.	3,566	94+000	STARO SELO	3	D	M	D4	100	50					AB		13402					945						ŽS-I	
		3,725	97+725	NOVO SELO	3	D	M	D4							AB		13403					1000						ŽS-I	
		2,577	100+302	MARKOVAC	1	D	M	D4			855	4	812	5	AB	1	13404		S	P	P/F	700	4,0	5	6	5	6	ŽS-I	103,9
		6,011	106+313	LAPOVO VAROŠ	7	D	M	D4		100					AB	1	13405			P	P/F	700	3,0	4	6	4	6	ŽS-I	102,6
		1,688	108+001	LAPOVO Marshalling Yard	3	D	M	D4							AB		13406					800						ŽS-I	
05.01.1971.		1,599	109+600	LAPOVO	1	D	M	D4			530	2 и 3	657	4 и 5	AB	1	13450		S	P	P/F	500	0,0	4	6	4	6	ŽS-I	105,4
		4,500	114+100	BRZAN	3	D	M	D4	50	70					AB		13301					1000						ŽS-I	
		2,875	116+975	MILOŠEVO	3	D	M	D4							AB		13302					900						ŽS-I	
		3,325	120+300	BAGRDAN	1	D	M	D4			710	2 и 3	626	4 и 5	AB	1	13303			P	P/F	800	0,0	4	3	4	3	ŽS-I	107,4
22.03.1975.		6,650	126+950	LANIŠTE	3	D	M	D4	70	100					AB		13304					800						ŽS-I	
		4,445	131+395	BUKOVČE	3	D	M	D4							AB		13305					800						ŽS-I	
8. 03.08.		3,842	135+237	JAGODINA	1	D	M	D4			788	2 и 3	715	4 и 5	AB	1	13350		S	P	P/F	800	1,5	4	3	4	3	ŽS-I	115,3
		5,463	140+700	GILJE	3	D	M	D4	120	120					AB		13307					480						ŽS-I	
		5,281	145+981	RASPUTNICA ĆUPRIJA	6	D	M	D4							AB	1						400						ŽS-I	
		6,664	152+645	PARAĆIN	1	D	M	D4			702	5 и 6	679	3 и 4	AB	1	13310		S	P	P/F	350	0,0	5	3	5	3	ŽS-I	126,3
28.05.1967.	3.9.1884.	*8,582	163+670	SIKIRICA/RATARI	3	D	M	D4	50	100					RC with AB		13311					1000						ŽS-I	
		2,930	166+600	DRENOVAC	3	D	M	D4							RC with AB		13312					2000						ŽS-I	
		5,000	171+600	CIĆEVAC	1	D	M	D4			615	2 и 3	620	4 и 5	RC with AB	1	13313		S	U	P/F	1150	4,4	4	4	4	4	ŽS-I	134,6
3.9. 1884.	28.5. 1967.	2,000	173+600	LUČINA	3	D	M	D4	100	70					RC with AB		13314					1000						ŽS-I	
		2,710	176+310	STALAĆ	1	D	M	D4			559	3 и 4	825	2	RC with AB	1	13352		S	P	P/F	1000	0,0	3	3	3	3	ŽS-I	136,4
03.09. 1884.		5,690	182+000	STEVANAC	2	S	M	D4	65		774	2	774	1	RC with AB	1	12501			U	P	300	5,0	5	3	6	5	ŽS-I	
		4,486	186+486	BRALJINA	1	S	M	D4			648	3 и 4	612	2	RC with AB	1	12502			U	P/F	299	4,0	3	2	4	2	ŽS-I	144, 6
		3,914	190+400	CEROVO/RAŽANJ	3	S	M	D4	85						RC with AB		12517					350						ŽS-I	
		1,816	192+216	STARO TRUBAREVO	2	S	M	D4			677	2	677	1	RC with AB	1	12503			U	P	350	1,0	3	2	4	3	ŽS-I	
		2,723	194+939	ĐUNIS	1	S	M	D4			666	4 и 5	590	2 и 3	RC with AB	1	12504		S	U	P/F	600	1,0	3	2	4	3	ŽS-I	148,5
03.09.1884.	01.05.1990.	4,254	199+193	VITKOVAC	3	D	M	D4	100	100					RC with TWT		12505					500						ŽS-I	
		2,207	201+400	DONJI LJUBEŠ	3	D	M	D4							RC with TWT		12506					500						ŽS-I	
		2,100	203+500	GORNJI LJUBEŠ	3	D	M	D4							RC with TWT		12519					500						ŽS-I	
		2,117	205+617	KORMAN	1	D	M	D4			574	4 и 5	508	2 и 3	RC with TWT	1	12507		S	U	P/F	2000	0,0	5	2	7	2	ŽS-I	164
		2,383	208+000	TRNJANI	3	D	M	D4							RC with TWT		12508					700						ŽS-I	
		2,480	210+480	ADROVAC	1	D	M	D4			753	1 и 2	601	3 и 4	RC with TWT	1	12509		S	U	P/F	1000	5,0	6	4	7	4	ŽS-I	173,4
		3,717	214+197	ALEKSINAC	1	D	M	D4			543	4 и 5	498	2 и 3	RC with TWT	1	12510		S	P	P/F	700	0,0	2	5	3	5	ŽS-I	167,7
29.05.1998.	03.09.1884.	3,271	217+468	NOZRINA	3	D	M	D4	100	100					RC with TWT		12520					1000						ŽS-I	
		1,317	218+785	LUŽANE	3	D	M	D4							RC with TWT		12511					10000						ŽS-I	
		3,285	222+070	TEŠICA	3	D	M	D4							RC with TWT		12512					1200						ŽS-I	
		0,635	222+705	GREJAČ	1	D	M	D4			571	2 и 3	665	3 и 4	RC with TWT	1	12513		S	P	P/F	1200	0,0	6	6	6	1	ŽS-I	184,9
		5,245	227+950	SUPOVAČKI MOST	3	D	M	D4							RC with TWT		12514					700						ŽS-I	
		1,359	229+309	MEZGRAJA	3	D	M	D4							RC with TWT		12515					700						ŽS-I	
		3,281	232+590	VRTIŠTE	3	D	M	D4							RC with TWT		12518					1500						ŽS-I	
		2,349	234+939	TRUPALE	1	D	M	D4			744	3	738	4	RC with TWT	1	12516		S	P	P/F		0,0					ŽS-I	190,5
03.09.1884.		6,066	241+005	CRVENI KRST	1	S	M	D4	70		686	3	662	3	AB	1	12550		S	P	P/F	950	5,48	5	2	5	2	ŽS-I	188,8
03.09. 1884.		1,736	242+741	ODV. SKR. 1 - 3 NIŠ	14	D	M	D4	30	30					AB with TWT	1						550		0	7			ŽS-I	
		0,842	243+583	NIŠ	1	D	M	D4			490	3	488	3	AB with TWT	1	12551		S/E	P	P/F	295	2,86	0	4	-	6	ŽS-I	183,3
1888.		5,879	249+462	MEĐUROVO	1	S	M	D4	70		580	1	543	1	AB	1	12301		S	P	P/F	300	1,04	4	6	3	7	ŽS-I	183
		4,484	253+946	BELOTINCE	2	S	M	D4			656	1	646	1	RC with AB	1	12302		S	U	P/F	0	1,58	2	0	2	-	ŽS-I	194,1
		1,495	255+441	ČAPLJINAC	3	S	M	D4							RC with AB		12304					5000		1	1			ŽS-I	
		1,569	257+010	MALOŠIŠTE	3	S	M	D4							RC with AB		12303					2000		2	1			ŽS-I	
		4,441	261+451	DOLJEVAC	1	S	M	D4			600	4	601	3	RC with AB	1	11001		S	P	P/F	700	0,71	4	2	4	2	ŽS-I	194
		1,810	263+261	KOČANE	3	S	M	D4							RC with AB		11002					0		1	0			ŽS-I	
		2,593	265+854	PUKOVAC	3	S	M	D4							RC with AB		11003					4000		2	0			ŽS-I	
		2,088	267+942	BRESTOVAC	1	S	M	D4			608	2 и 3	623	2 и 3	RC with AB	1	11004		S	U	P/F	20000	0,91	1	0	2	-	ŽS-I	201,6
		2,892	270+834	LIPOVICA	3	S	M	D4							RC with AB		11005					1900		2	1			ŽS-I	
		4,730	275+564	PEČENJEVCE	1	S	M	D4			639	2	632	2	RC with AB	1	11006		S	U	P/F	1000	2,44	5	1	5	1	ŽS-I	211,5
		3,267	278+831	ŽIVKOVO	3	S	M	D4							RC with AB		11007					1600		2	0			ŽS-I	
		1,469	280+300	PRIBOJ LESKOVAČKI	3	S	M	D4							RC with AB		11009					0		2	0			ŽS-I	
		1,675	281+975	VINARCI	2	S	M	D4			723	1	759	1	RC with AB	1	11008			U	P/F	0	1,71	2	0	2	-	ŽS-I	217,9

Date of handover to public transport		Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
Right track	Left track								Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains										Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		5,593	287+568	LESKOVAC	1	S	M	D4	100		695	4	648	2	RC with AB	1	11050		S	P	P/F	2000		4	0	4	-	ŽS-I	220,0
		8,211	295+779	ĐORĐEVO	2	S	M	D4			686	1	690	1	RC with AB	1	11010			U	P/F	2500	2,8	5	1	5	1	ŽS-I	248,2
		6,084	301+863	GRDELICA	1	S	M	D4	65		537	4	526	4	RC with AB	1	11011		S	U	P/F	327	4,31	6	1	6	2	ŽS-I	255
		6,747	308+610	PALOJSKA ROSULJA	3	S	M	D4	50						RC with AB		11012					300		7	1			ŽS-I	
		4,115	312+725	PREDEJANE	1	S	M	D4			688	3	648	3	RC with AB	1	11013		S/E	U	P/F	290	4,04	8	3	7	-	ŽS-I	282,6
		6,946	319+671	DŽEP	2	S	M	D4	30		596	3	632	3	RC with AB	1	11014			U	P	300	5,65	6	1	6	-	ŽS-I	297,2
		3,215	322+886	MOMIN KAMEN	2	S	M	D4			700	2	708	2	RC with AB	1	11015			U	P	300	3,7	7	0	8	-	ŽS-I	306,9
		3,452	326+338	ŠELINCE	3	S	M	D4							RC with AB		11029					300		7	4			ŽS-I	
		3,253	329+591	VLADIČIN HAN	1	S	M	D4			572	3	668	3	RC with AB	1	11016		S	P	P/F	300	5,45	8	0	7	-	ŽS-I	324,4
		4,475	334+066	SUVA MORAVA	1	S	M	D4	50		858	1	865	1	RC with AB	1	11017			U	P/F	300	4,79	7	7	7	7	ŽS-I	333,3
1888.		2,069	336+135	LEPENIČKI MOST	3	S	M	D4							RC with AB		11018					950		5	0			ŽS-I	
		2,920	339+055	STUBAL	3	S	M	D4							RC with AB		11030					400		6	0			ŽS-I	
		2,382	341+437	PRIBOJ VRANJSKI	2	S	M	D4			651	2	653	2	RC with AB	1	11019		S	U	P	1000	2,69	2	5	7	4	ŽS-I	346,7
		6,578	348+015	VRANJSKA BANJA	1	S	M	D4	75		648	2	648	2	RC with AB	1	11020		S	T	P/F	400	4,49	7	3	7	2	ŽS-I	367,5
		6,191	354+206	VRANJE	1	S	M	D4			648	2	650	2 и 3	RC with AB	1	11021		S	P	P/F	450	0,92	5	4	6	3	ŽS-I	371,9
		7,209	361+415	NERADOVAC	3	S	M	D4	90						RC with AB		11022					400		5	4			ŽS-I	
		4,310	365+725	RISTOVAC	1	S	M	D4			618	3	623	3	RC with AB	1	11023		S	P	P/F	350	7,5	4	3	5	3	ŽS-I	383,0
		7,967	373+692	BUJANOVAC	1	S	M	D4	60		643	1	603	1	RC with AB	1	11024		S	P	P/F	350	2,09	3	0	3	1	ŽS-I	397,7
		7,020	380+712	LETOVICA	3	S	M	D4	95						RC with AB		11025					450		8	2			ŽS-I	
		5,838	386+550	BUKAREVAC	2	S	M	D4			687	1	684	1	RC with AB	1	11026			U	P	600	11,0	8	1	8	1	ŽS-I	427,2
		5,759	392+309	PREŠEVO	1	S	M	D4	50		610	3	609	3	RC with AB	1	11027		S	P	P/F	400	1,1	14	0	13	-	ŽS-I	459,2
		8,143	400+452	DRŽAVNA GRANICA	15	S	M	D4							station distance		11028					300		1	13	-	15	ŽS-I	
103 (Beograd Centar) - Rakovica - Jajinci - Mala Krsna - Velika Plana																													
			0+706	RAKOVICA	1	S		D4	80		702	4	702	5		1	16103			P	P		4,9						
20.10. 1988.		3,002	3+708	RASPUTNICA K1	6	S	M	D4							AB	1						350		12	0	13	-	ŽS-I	
		*1,581	10+916	JAJINCI	1	S	M	D4	60		710	4	706	4	AB	1	15602			P	P	300	7,9	12	2	13	2	ŽS-I	129,9
		*5,419	16+277	BELI POTOK	1	S	M	D4			643	3	573	3	RC with AB	1	15603			U	P	298	8,0	8	5	11	6	ŽS-I	148,8
		4,073	20+350	ZUCE	3	S	M	D4							RC with AB		15615											ŽS-I	
		0,892	21+242	ZUCE	2	S	M	D4			815	1	801	1 и 2	RC with AB	1	15604			U	P	300	0,1	0	9	-	10	ŽS-I	124,6
		3,643	24+885	VRČIN	1	S	M	D4			711	3	714	3	RC with AB	1	15605			U	P	300	0,0	6	0	8	-	ŽS-I	13,4
		2,955	27+840	KASAPOVAC	3	S	M	D4							RC with AB		15606				P							ŽS-I	
		3,425	31+265	LIPE	2	S	M	D4	50		606	1	613	2	RC with AB	1	15607			U	P	275	8,7	9	0	11	-	ŽS-I	178,6
		5,629	36+894	MALA IVANČA	1	S	M	D4			596	2	603	2	RC with AB	1	15608			P	P	350	2,3	5	9	5	9	ŽS-I	157,0
		2,706	39+600	BRESTOVI	3	S	M	D4							RC with AB		15616				P							ŽS-I	
01.06. 1924.		1,700	41+300	MALI POŽAREVAC	1	S	M	D4			624	3	619	3	RC with AB	1	15609			U	P	350	0,8	0	8	-	9	ŽS-I	135,4
		1,867	43+167	DRAŽANJ/ŠEPŠIN	3	S	M	D4							RC with AB		15610				P							ŽS-I	
		4,604	47+771	UMČARI	1	S	M	D4			612	3	617	3	RC with AB	1	15611			U	P	700	2,2	0	4	-	5	ŽS-I	123,4
		4,544	52+315	ŽIVKOVAC	3	S	M	D4							RC with AB		15612											ŽS-I	
		2,904	55+219	VODANJ	2	S	M	D4			630	3	628	3	RC with AB	1	15613			U	P	700	2,0	0	6	-	7	ŽS-I	108,5
		5,390	60+609	KOLARI	1	S	M	D4	80		602	2	586	2	RC with AB	1	15614			P	P	1000	0,0	0	4	-	4	ŽS-I	98,9
		5,961	66+570	RALJA SMEDEREVSKA	3	S	M	D4							AB		13509				P							ŽS-I	
		1,230	67+800	ODV. SKR. 1 MALA KRSNA	14	S	M	D4							AB	1												ŽS-I	
		2,464	70+264	MALA KRSNA	1	S	M	D4	50		629	4	633	4	AB	1	13551			P	P/F	280	0,7	0	4	-	5	ŽS-I	83,0
		*0,020	12+545	ODV. SKR. 28 MALA KRSNA	14	S	M	D4	50						RC with AB	1												ŽS-I	
		1,755	14+300	SKOBALJ	3	S	M	D4							RC with AB		13502				P							ŽS-I	
		2,900	17+200	OSIPAONICA	3	S	M	D4							RC with AB		13501				P							ŽS-I	83,1
		1,294	18+494	OSIPAONICA	1	S	M	D4			545	2	545	2	RC with AB	1	13503			U	P/F	700	1,4	2	3	3	4	ŽS-I	
10.12. 1886.		1,606	20+100	LUGAVČINA	3	S	M	D4							RC with AB		13508				P							ŽS-I	
		3,600	23+700	SARAORCI	3	S	M	D4							RC with AB		13510				P							ŽS-I	
		1,350	25+050	LOZOVIK/SARAORCI	1	S	M	D4	100		608	3	610	3	RC with AB	1	13504			T	P	1000	0,6	1	1	1	1	ŽS-I	83,6
		4,350	29+400	MILOŠEVAC	3	S	M	D4							RC with AB		13505				P							ŽS-I	
		3,112	32+512	KRNJEVO/TRNOVČE	1	S	M	D4			581	3	476	3	RC with AB	1	13506			U	P	800	4,6	4	1	5	2	ŽS-I	92,6
		4,433	36+945	VELIKO ORAŠJE	1	S	M	D4			594	2	589	2	RC with AB	1	13507			U	P	800	3,7	8	4	8	4	ŽS-I	99,8
		4,734	41+679	VELIKA PLANA	1	S	M	D4			785	3	866	4	RC with AB	1	13401			E	P	P/F	700		8	4	9	4	ŽS-I	111,4

Date of handover to public transport – Right track	Date of handover to public transport – Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed – Right track	Maximum permitted speed – Left track	Direction A→B – Maximum permitted train length	Direction A→B – Tracks for acceptance of the longest trains	Direction B→A – Maximum permitted train length	Direction B→A – Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient – Incline	Ruling gradient – Slope	Ruling resistance of the line [daN] – →	Ruling resistance of the line [daN] – ←	Loading gauge	Altitude
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
104 (Jagodina) – Rasputnica Ćuprija – Ćuprija - Paraćin																													
			0+000	RASPUTNICA ĆUPRIJA	6				50							6													
		0,500	0+500	ĆUPRIJA	1	S	M	D4			240	3 и 4	167	2	station distance	6	13351		S	P	P/F			8	0	9	-	ŽS-I	119,8
		6,920	7+420	PARAĆIN	1	S	M	D4	100		847	5	892	4	station distance	1	13310		S	P	P/F							ŽS-I	126,3
105 (Beograd Centar) - Stara Pazova - Novi Sad - Subotica - State Border - (Kelebia)																													
10.12. 1883.			36+061	STARA PAZOVA	1				100		657	2 и 3	659	4 и 5		1	16503		S	P	P/F		0,0						84,96
		6,800	42+861	INĐIJA	1	S	M	D3			616	3	614	3	AB	1	16801			P	P/F	1000	1,0	5	0	5	-	ŽS-I	112,2
		5,189	48+050	INĐIJA PUSTARA	2	S	M	D3	80		799	1 и 2	803	1 и 2	AB	1	16518			P	P/F	400	2,0	5	0	6	-	ŽS-I	134,8
		4,902	52+952	BEŠKA	1	S	M	D3			599	2 и 3	590	2 и 3	AB	1	16802		S	P	P/F	300	1,0	5	6	5	6	ŽS-I	133,8
		3,589	56+541	ČORTANOVCI	1	S	M	D3	70		617	1 и 2	613	1 и 2	AB	1	16803			P	P	300	2,0	2	3	4	5	ŽS-I	133,9
		2,244	58+785	ČORTANOVCI DUNAV	3	S	M	D3							AB		16804											ŽS-I	108,5
		3,565	62+350	KARLOVAČKI VINOGRADI	2	S	M	D3			670	1 и 2	663	1 и 2	AB	1	16805			P	P	300	2,0	0	13	-	15	ŽS-I	79
		4,221	66+571	SREMSKI KARLOVCI	1	S	M	D3	80		658	2 и 3	666	2 и 3	AB	1	16806		S	P	P/F	300	0,4	1	0	3	-	ŽS-I	79,5
		5,326	71+897	PETROVARADIN	1	S	M	D3	85		715	3 и 4	718	3 и 4	AB	1	16807		S/E	P	P/F	400	0,0	1	3	2	4	ŽS-I	82
23.10.1961.		5,791	77+688	BLOK 1 NOVI SAD	14	S	M	D3	80						AB													ŽS-I	
		0,351	78+039	NOVI SAD	1	S	M	D3			492	4 и 5	493	4 и 5	AB	1	16808		E	P	P	400	0,0	5	6	8	9	ŽS-I	82,6
31.05.1964.		3,596	81+635	SAJLOVO	4	S	M	D3							AB	1	23301			P		700	4,5	3	4	3	6	ŽS-I	84,5
05.03. 1883.		9,746	91+381	KISAČ	1	S	M	D3			772	2 и 3	785	2 и 3	AB	1	23302		S	P	P/F	2500	0,0	5	3	6	3	ŽS-I	83,3
		6,675	98+056	STEPANOVIĆEVO	3	S	M	D3							AB	1	23303					2500	0,0					ŽS-I	83,5
		5,482	103+538	ZMAJEVO	1	S	M	D3			816	3 и 4	812	3 и 4	AB	1	23304		S	P	P/F	3000	0,0	1	1	1	1	ŽS-I	83,6
		13,207	116+745	VRBAS	1	S	M	D3	60		943	3 и 4	938	3 и 4	AB	1	23306		S	P	P/F	300	0,0	4	4	4	4	ŽS-I	84,2
		11,373	128+118	LOVĆENAC	1	S	M	D3	80		764	3 и 4	766	3 и 4	AB	1	23401		S	P	P/F		0,6	5	2	5	2	ŽS-I	107,4
		4,702	132+820	MALI IĐOŠ	3	S	M	D3	40						AB		23402				P	1600						ŽS-I	99,6
		3,343	136+163	MALI IĐOŠ POLJE	2	S	M	D3			663	1 и 2	656	1 и 2	AB	1	23403			P	P		0,0	6	6	6	6	ŽS-I	109,4
		8,035	144+198	BAČKA TOPOLA	1	S	M	D3			792	2 и 3	793	2 и 3	AB	1	23404			P	P/F	1500	1,5	3	3	3	3	ŽS-I	110,2
		8,602	152+800	MALI BEOGRAD	3	S	M	D3							AB		23406											ŽS-I	110,7
		5,018	157+818	ŽEDNIK	1	S	M	D3			731	3 и 4	731	3 и 4	AB	1	23407		S	P	P/F		0,0	2	2	2	2	ŽS-I	109,9
		5,158	162+976	VERUŠIĆ	3	S	M	D3							AB		23408											ŽS-I	108,1
		4,204	167+180	NAUMOVIĆEVO	1	S	M	D3			777	2 и 3	780	2 и 3	AB	1	23409			P	P/F		1,0	3	3	3	3	ŽS-I	110,3
		4,782	171+962	ALEKSANDROVO PREDGRAĐE	5	S	M	D3							block post distance	8	23410			P								ŽS-I	110,5
		3,688	175+650	SUBOTICA freight st.	1	S	M	D3			507	13 и 14	507	13 и 14	block post distance	4	23450	Yes	S/E	P	F		0,0					ŽS-I	113,2
		0,824	176+474	SUBOTICA	1	S	M	D3			594	2 и 3	594	2 и 3	block post distance	4	23450		S	P	P/F	600	3,3	6	5	6	5	ŽS-I	113,2
05.12.1882.		8,108	184+582	DRŽAVNA GRANICA	15	S	M	D3	50						station distance		23499					2000		6	1	6	1	ŽS-I	128
106 Niš - Dimitrovgrad - State Border - (Dragoman)																													
01.06. 1887.			0+241	NIŠ	1				35		490	3	488	3		1	12551		S/E	P	P/F								188,3
		0,495	0+736	ODV. SKR. 4 NIŠ	14	S	M	D3							AB	1						300		2	2			ŽS-I	
		1,030	1+766	PALILULSKA RAMPA	3	S	M	D3	50						AB		12401					500		4	0			ŽS-I	
		1,634	3+400	VOJNA BOLNICA	3	S	M	D3							AB							500		5	0			ŽS-I	
		2,061	5+461	ĆELE KULA	1	S	M	D3			600	3	600	3	AB	1	12402			P	P/F	2000	2,2	2	5	6	4	ŽS-I	199
		0,739	6+200	EI NIŠ	3	S	M	D3							AB							3000		0	0			ŽS-I	
		4,300	10+500	NIŠKA BANJA	1	S	M	D3			599	4	600	4	AB	1	12404		S	P	P/F	1000	2,5	4	1	4	1	ŽS-I	207,2
		4,200	14+700	PROSEK	3	S	M	D3							station distance		12405					310		6	0			ŽS-I	
		2,448	17+148	SIĆEVO	2	S	M	D3							station distance	9	12406					300		5	1	5	-	ŽS-I	
		5,361	22+509	OSTROVICA	1	S	M	D3	40		524	2	524	2	station distance	9	12407			P	P/F	300	3,09	5	0	8	-	ŽS-I	235,3
		1,250	23+759	MAJDAN OSTROVICA	3	S	M	D3	30						station distance		12408					300		5	0			ŽS-I	
		5,741	29+500	RADOV DOL	3	S	M	D3							station distance		12409					300		5	0			ŽS-I	
		2,200	31+700	DOLAC	2	S	M	D3			603	2 и 3	603	2 и 3	station distance	9	12410			P	P	500	0,0	6	0	7	-	ŽS-I	265
		2,600	34+300	CRVENI BREG	3	S	M	D3	50						station distance		12426					450		0	0			ŽS-I	
		2,126	36+426	CRVENA REKA	1	S	M	D3			614	2 и 3	614	2 и 3	station distance	9	12411		S	P	P	500	0,0	3	0	2	-	ŽS-I	267
		3,254	39+680	BELANOVAC	3	S	M	D3							station distance		12412					600		5	0			ŽS-I	
		5,232	44+912	BELA PALANKA	1	S	M	D3			791	2	791	2	station distance	6	12413		S	P	P/F	497	4,9	4	0	6	-	ŽS-I	286,9

Date of handover to public transport		Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FranspoF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
Right track	Left track								Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains										Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		3,588	48+500	CRKVICA	3	S	M	D3							station distance		12414							6	0			ŽS-I	
		5,000	53+500	ČIFLIK	2	S	M	D3			713	2 и 3	713	2 и 3	station distance	9	12415			P	P	300	0,0	6	0	7	-	ŽS-I	314
		3,300	56+800	SINJAC	3	S	M	D3	50						station distance		12416					400		8	0			ŽS-I	
		2,000	58+800	ĐURĐEVO POLJE	3	S	M	D3							station distance		12417					400		3	0			ŽS-I	
		3,100	61+900	CRVENČEVO	3	S	M	D3							station distance		12427					600		5	0			ŽS-I	
		1,917	63+817	STANIČENJE	2	S	M	D3			624	2 и 3	624	2 и 3	station distance	9	12418		S	P	P/F	495	6,4	5	0	7	-	ŽS-I	341,6
1.11.		3,483	67+300	SOPOT	3	S	M	D3	30						station distance		12419					300		7	0			ŽS-I	
1887.		5,635	72+935	PIROT	1	S	M	D3			624	2 и 3	624	2 и 3	station distance	6	12420		S	P	P/F	500	8,0	6	0	7	-	ŽS-I	368,5
		3,965	76+900	BOŽURAT	3	S	M	D3							station distance		12421					550		4	4			ŽS-I	
		4,800	81+700	VELIKI JOVANOVAC	3	S	M	D3							station distance		12422					0		6	0			ŽS-I	
		4,493	86+193	SUKOVO	1	S	M	D3	100		626	2 и 3	626	2 и 3	station distance	6	12423		S	P	P/F	3000	8,5	8	1	8	1	ŽS-I	416,5
		4,307	90+500	ČINIGLAVCI	3	S	M	D3							station distance		12424					700		5	1			ŽS-I	
		2,200	92+700	SREČKOVAC	3	S	M	D3							station distance		12425					500		6	0			ŽS-I	
		4,723	97+423	DIMITROVGRAD	1	S	M	D3			710	2	711	2	station distance	6	12499	Yes	S/E	P	P/F	500	9,5	10	5	10	6	ŽS-I	450
		6,507	103+930	DRŽAVNA GRANICA	15	S	M	D4	80						station distance		12498					300		11	0	12	-	ŽS-I	
107 Beograd Centar - Pančevo main st. - Vršac - State Border - (Stamora Moravita)																												
			0+000	BEOGRAD CENTAR	1				70	70	364	8 и 10	400	3		1	16052			P	P		0,0						
23.05.1993.	23.05.1993.	1,232	1+232	KARAĐORĐEV PARK	7	D	M	D4							AB with TWT	1	16053			U	P	300		0	4	-	-	ŽS-I	
		1,568	2+800	VUKOV SPOMENIK	3	D	M	D4	80	100					AB with TWT		16054			P	P	600						ŽS-I	
		1,888	4+688	PANČEVAČKI MOST	7	D	M	D4							AB with TWT	1	16013			P	P			3	8	4	10	ŽS-I	
		2,412	7+100	KRNJAČA MOST	3	D	M	D4		75					AB		16016				P	500						ŽS-I	
11.11.1935.		1,020	8+120	KRNJAČA	2	D	M	D4			697	3	697	2	AB	1	16015			P	P	800		1	8	1	8	ŽS-I	
		1,861	9+981	SEBEŠ	3	D	M	D4	100	80					AB		16006				P							ŽS-I	
		2,511	12+492	OVČA	1	D	M	D4			673	3	594	7	AB	1	16007			P	P/F			1	1	1	1	ŽS-I	
		6,825	19+317	PANČEVO main st.	1	D	M	D4		100	845	4 и 5	835	4 и 5	AB	4	22001	Yes	S	P	P/F		0,0	7	7	7	4	ŽS-I	77,0
11.10.1935.		*3,007	18+206	PANČEVO VAROŠ	1	S	M	D4	50		506	2 и 3	506	2 и 3	station distance	4	21001		S	P	P/F	600	0,45	0	1	-	2	ŽS-I	77,1
26.08.		15,801	34+007	BANATSKO NOVO SELO	1	S	M	D2			663	2 и 3	663	2 и 3	station distance	8	21002		S	T	F	300	1,34	8	3	9	6	ŽS-I	104,0
1896.		11,848	45+855	VLADIMIROVAC	1	S	M	D2			836	2 и 3	836	2 и 3	station distance	8	21003		S	T	P/F	500	3,5	8	1	10	2	ŽS-I	146,0
		7,699	53+554	ALIBUNAR	1	S	M	D2			743	3 и 4	743	3 и 4	station distance	5	21004		S	P	P/F	350	5,2	4	10	5	11	ŽS-I	120,0
		*5,207	59+041	BANATSKI KARLOVAC	1	S	M	D2			662	2 и 3	662	2 и 3	station distance	9	21005		S	U		350	6,2	3	8	5	8	ŽS-I	95,4
08.12.		3,996	63+037	NIKOLINCI	3	S	M	D2	100						station distance	9	21006					600	0,7					ŽS-I	81,7
1894.		7,300	70+337	ULJMA	1	S	M	D2			665	2 и 3	665	2 и 3	station distance	9	21007		S	T	P/F	600	1,8	5	7	6	7	ŽS-I	87,6
		4,963	75+300	VLAJKOVAC	3	S	M	D2							station distance		21008					600	0,2					ŽS-I	
		6,497	81+797	RASPUTNICA A ULJMA	6	S	M	D2							station distance							200	0,0					ŽS-I	
		1,056	82+853	VRŠAC	1	S	M	D2			643	4 и 5	643	4 и 5	station distance	8	21009	Yes	S/E	P	P/F	300	2,5	7	4	7	4	ŽS-I	102,3
20.07.1858.		15,461	98+314	DRŽAVNA GRANICA	15	S	M	D2	80						station distance		21099					1905	3,0	3	5	3	5	ŽS-I	82,0
108 (Beograd Centar) - Resnik - Požega - Vrbnica - State Border - (Bijelo Polje)																												
			0+425	RESNIK	1				70		730	3	730	3		1	15501			P	P/F		8						105,3
		7,212	7+637	BELA REKA	1	S	M	D4			594	4	595	4	RC with station distance	1	15201		S	U		300	2,5	11	0	12	-	JŽ-I	171,1
29.11.		4,568	12+205	NENADOVAC	3	S	M	D4							RC with station distance		15202											ŽS-I	
1958.		3,503	15+708	BARAJEVO	2	S	M	D4	85		771	3	768	3	RC with station distance	1	15203			U		400	1	6	8	6	9	ŽS-I	153,3
		2,192	17+900	BARAJEVO CENTAR	3	S	M	D4							RC with station distance		15204											ŽS-I	
		5,194	23+094	VELIKI BORAK	2	S	M	D4			572	3	574	3	RC with station distance	1	15205		S	U		400	0	0	8	-	9	ŽS-I	117,9
29.11.		4,644	27+738	LESKOVAC KOLUBARSKI	3	S	M	D4							RC with station distance		15206											ŽS-I	
1958.		2,889	30+627	STEPOJEVAC	1	S	M	D4	90		594	3	594	3	RC with station distance	1	15207		S	U		400	0	3	4	3	5	ŽS-I	35,3
		6,635	37+262	VREOCI	1	S	M	D4			689	4	706	4	RC with station distance	1	15250		S	P		450	1	4	3	5	3	ŽS-I	93,7
07.07.		8,124	45+386	LAZAREVAC	1	S	M	D4	95		601	2	602	2	RC with station distance	1	15209		S	P	P/F	450	1	5	4	6	4	ŽS-I	108,5
1968.		1,514	46+900	KM 46+900 PB	9	S	M	D4							RC with station distance													ŽS-I	
		5,700	52+600	LAJKOVAC	1	S	M	D4			649	4	652	4	RC with station distance	1	15260		S	P	P/F	500	1	3	1	4	1	ŽS-I	110,9
		6,382	58+982	SLOVAC	1	S	M	D4			598	3	601	3	RC with station distance	1	15211		S	U	P/F	450	1,7	4	2	4	3	ŽS-I	123,6
		4,918	63+900	MLAĐEVO	3	S	M	D4							RC with station distance		15212				P							ŽS-I	
29.11.		3,254	67+154	DIVCI	1	S	M	D4	100		600	3	602	3	RC with station distance	1	15213		S	U	P/F	500	2	7	1	7	1	ŽS-I	145
1968.		2,089	69+243	LUKAVAC KOLUBARSKI	3	S	M	D4							RC with station distance		15214				P							ŽS-I	
		4,457	73+700	IVERAK	3	S	M	D4							RC with station distance		15215				P							ŽS-I	
		4,024	77+724	VALJEVO	1	S	M	D4			596	4	593	4	RC with station distance	1	15251		S	P	P/F	600	2,3	7	1	8	1	ŽS-I	186,4

Date of handover to public transport																														
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
									Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains										Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		6,846	84+570	VALJEVSKI GRADAC	2	S	M	D4			553	2	520	2	RC with station distance	1	15101			U	P	300	1,2	15	0	17	-	ŽS-I	264
		7,030	91+600	LESKOVICE	3	S	M	D4							RC with station distance		15112				P							ŽS-I	
		2,448	94+048	LASTRA	1	S	M	D4			568	3	566	3	RC with station distance	1	15102			U	P	300	2,5	16	0	16	-	ŽS-I	388,5
		9,097	103+145	SAMARI	2	S	M	D4			543	3	544	3	RC with station distance	1	15103			U	P	300	2,2	16	0	17	-	ŽS-I	501
		4,533	107+678	DRENOVAČKI KIK	3	S	M	D4							RC with station distance		15104				P							ŽS-I	
		3,674	111+352	RAŽANA	1	S	M	D4			554	3	552	3	RC with station distance	1	15105			U	P	300	1	10	16	10	16	ŽS-I	487,1
		7,529	118+881	KOSJERIĆ	1	S	M	D4	50		544	6	544	6	RC with station distance	1	15106		S	P	P/F	300	2	0	15	-	16	ŽS-I	411,9
		4,519	123+400	TUBIĆI	3	S	M	D4							RC with station distance		15109				P							ŽS-I	
		6,442	129+842	KALENIĆI	1	S	M	D4			551	3	549	3	RC with station distance	1	15107			U	P	500	2	0	8	-	9	ŽS-I	352,1
25.07.		3,758	133+600	OTANJ	3	S	M	D4							RC with station distance		15116				P							ŽS-I	
1972.		2,200	135+800	GLUMAČ	3	S	M	D4							RC with station distance		15113				P							ŽS-I	
				POŽEGA (freight st.)							647	5	649	5				Yes	S	P									
		4,987	140+787	POŽEGA (PUTNIČKA)	1	S	M	D4			292	3	349	3	RC with station distance	1	15150		S		P/F	500	7,5	0	6	-	8	ŽS-I	311,6
		1,702	142+489	ODV. SKR. 53 POŽEGA	14	S	M	D4							RC with station distance	1													
		3,111	145+600	RASNA	3	S	M	D4							RC with station distance		15111				P							ŽS-I	
		3,662	149+262	UZIČI	2	S	M	D4	100		554	3	553	3	RC with station distance	1	15110			U	P			8	0	8	4	ŽS-I	
		2,238	151+500	ZLAKUSA	3	S	M	D4							RC with station distance		15114				P							ŽS-I	
		2,700	154+200	BUKOVIČKA RAMPA	3	S	M	D4							RC with station distance		15115				P							ŽS-I	
		2,774	156+974	SEVOJNO	1	S	M	D4			566	3	563	3	RC with station distance	1	15108			U	P	500	1,5	4	0	5	-	ŽS-I	363,2
		4,926	161+900	UŽICE freight st.	1	S	M	D4	90		558	3	552	3	RC with station distance	1	15151		S/E	P	P/F	400	1,5	11	0	13	-	ŽS-I	401
		1,981	163+881	UŽICE	1	S	M	D4			353	1	346	1	RC with station distance	1	15153			P	P	400	2,5	16	0	18	-	ŽS-I	418,4
		6,763	170+644	STAPARI	2	S	M	D4			545	1	547	1	RC with station distance	1	15701			U	P	350	2,3	17	0	18	-	ŽS-I	520,5
		2,756	173+400	RISTANOVIĆA POLJE	3	S	M	D4	50						RC with station distance		15716				P							ŽS-I	
		2,600	176+000	TRIPKOVA	3	S	M	D4							RC with station distance		15717				P							ŽS-I	
		2,350	178+350	SUŠICA	2	S	M	D4			539	3	539	3	RC with station distance	1	15702			U	P	400	1,5	18	0	18	-	ŽS-I	631
21.05.		6,875	185+225	BRANEŠCI	1	S	M	D4			486	3	486	3	RC with station distance	1	15703			U	P			17	0	18	-	ŽS-I	
1976.		8,095	193+320	ZLATIBOR	1	S	M	D4	70		531	3	531	3	RC with station distance	1	15704			U	P	400	2	16	2	16	2	ŽS-I	784
		6,980	200+300	RIBNICA ZLATIBORSKA	3	S	M	D4							RC with station distance		15705				P							ŽS-I	
		5,107	205+407	JABLANICA	2	S	M	D4	50		550	2	536	2	RC with station distance	1	15706			U	P	300	2,5	0	17	-	18	ŽS-I	612,5
		6,193	211+600	GOLEŠ	3	S	M	D4							RC with station distance		15721											ŽS-I	
		3,232	214+832	ŠTRPCI	2	S	M	D4			574	1	572	1	RC with station distance	1	15707			U	P	300	2	0	16	-	16	ŽS-I	531,5
		4,668	219+500	RAČA	3	S	M	D4	30						RC with station distance		15720				P							ŽS-I	
		5,790	225+290	PRIBOJ	1	S	M	D4			551	4	553	4	RC with station distance	1	15708		S	P	P/F	300	0	0	17	-	17	ŽS-I	390,3
		3,010	228+300	POLJICE	3	S	M	D4							RC with station distance		15722				P							ŽS-I	
		4,500	232+800	PRIBOJSKA BANJA	3	S	M	D4	30						RC with station distance		15709				P							ŽS-I	
		8,478	241+278	BISTRICA NA LIMU	1	S	M	D4			551	3	549	3	RC with station distance	1	15710			U	P/F	300	1,5	8	3	8	4	ŽS-I	447,7
		5,022	246+300	DŽUROVO	3	S	M	D4							RC with station distance		15718				P							ŽS-I	
21.05.		6,316	252+616	PRIJEPOLJE	1	S	M	D4			307	3	307	3	RC with station distance	1	15711			T	P	350	1,5	6	3	7	4	ŽS-I	453,2
1976.		3,240	255+856	PRIJEPOLJE freight st.	1	S	M	D4			495	5	499	5	RC with station distance	1	15712		S	P	P/F	400	1,5	8	7	10	8	ŽS-I	
		3,744	259+600	VELIKA ŽUPA	3	S	M	D4							RC with station distance		15719				P							ŽS-I	
		5,041	264+641	LUČICE	2	S	M	D4	50		553	3	552	3	RC with station distance	1	15713			U	P	350	1,5	10	1	10	1	ŽS-I	505,2
		8,688	273+329	BRODAREVO	2	S	M	D4			738	1	696	1	RC with station distance	1	15714			U	P	400	2	9	0	9	-	ŽS-I	561,5
		11,864	285+193	VRBNICA	1	S	M	D4			547	3	544	3	RC with station distance	1	15715			P	P	400	0	5	6	5	6	ŽS-I	553,7
		2,245	287+438	DRŽAVNA GRANICA	15	S	M	D4							station distance		15723							8	5	8	5	ŽS-I	
109 Lapovo - Kraljevo - Lešak - Kosovo Polje - Đeneral Janković - State Border - (Volkovo)																														
			0+666	LAPOVO	1						530	2 и 3	563	5 и 6		1	13450		S	P									
		2,739	3+405	BATOČINA	1	S	M	C3			660	2	660	2	station distance	9	13201		S	P	P/F	250	2,4	2	2	3	3	ŽS-I	109
		4,895	8+300	GRADAC	3	S	M	C3							station distance		13202				P							ŽS-I	
03.03.		3,984	12+284	BADNJEVAC	1	S	M	C3			722	3	722	3	station distance	9	13203			U	P	550	3,2	5	0	6	-	ŽS-I	129,5
1887.		3,516	15+800	RESNIK KRAGUJEVAČKI	3	S	M	C3	40						station distance		13204				P							ŽS-I	
		2,651	18+451	MILATOVAC	3	S	M	C3							station distance		13205				P							ŽS-I	
		2,149	20+600	CVETOJEVAC	3	S	M	C3							station distance		13206				P							ŽS-I	
		1,735	22+335	JOVANOVAC	1	S	M	C3			734	3	734	3	station distance	9	13207			U	P	550	7,1	8	3	10	4	ŽS-I	153,0
		6,494	28+829	KRAGUJEVAC	1	S	M	C3			844	3	844	3	station distance	6	13250		S	P	P/F	550	2,0	8	2	9	3	ŽS-I	171,6

Date of handover to public transport									Maximum permitted speed		Direction A→B		Direction B→A																			
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
																								Incline	Slope	←	→				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		2,471	31+300	ZAVOD	3	S	M	C3							station distance		13209				P							ŽS-I	
		2,800	34+100	GROŠNICA	1	S	M	C3			558	2	558	2	station distance	9	13210		S	P	P/F	300	4,3	7	0	8	-	ŽS-I	200,1
		5,451	39+551	DRAGOBRAĆA	1	S	M	C3			632	2	632	2	station distance	9	13211		S	U	P	300	7,0	10	0	11	-	ŽS-I	236,5
		5,049	44+600	VUČKOVICA	3	S	M	C3							station distance		13212				P							ŽS-I	
		2,986	47+586	KNIĆ	1	S	M	C3			614	2	614	2	station distance	9	13213		S	P	P/F	300	4,2	12	10	12	12	ŽS-I	241,9
		5,888	53+474	GRUŽA	1	S	M	C3			620	2	620	2	station distance	9	13214		S	U	P	375	2,4	3	3	4	4	ŽS-I	239
22.12.		7,124	60+598	GUBEREVAC	1	S	M	C3			591	3	566	3	station distance	1	13215		S	P	P/F	300	2,0	1	8	3	9	ŽS-I	216
1929.		1,502	62+100	TOMIĆA BRDO	3	S	M	C3							station distance		13221				P							ŽS-I	
		4,235	66+335	VITKOVAC	1	S	M	C3			597	2	597	2	station distance	9	13216		S	U	P	300	4,5	2	4	3	5	ŽS-I	210,3
		3,746	70+081	MILAVČIĆI	3	S	M	C3							station distance		13217				P							ŽS-I	
		3,854	73+935	VITANOVAC	1	S	M	C3			746	2	746	2	station distance	9	13218		S	P	P	300	1,8	0	7	-	8	ŽS-I	187,7
		5,165	79+100	ŠUMARICE	3	S	M	C3							station distance		13219				P							ŽS-I	
		2,800	81+900	SIRČA	3	S	M	C3							station distance		13220				P							ŽS-I	
		2,844	84+744	KRALJEVO	1	S	M	C3			738	4	738	4	station distance	4	13251		S/E	P	P/F	290	1,0	7	1	8	8	ŽS-I	202,4
		0,970	85+714	ODV. SKR. 72 KRALJEVO	14	S	M	C3							station distance													ŽS-I	
24.05.		8,199	93+913	MATARUŠKA BANJA	1	S	M	C3			631	3	631	3	station distance	9	12101		S	P	P/F	300	0,4	5	0	6	-	ŽS-I	271,4
1931.		3,487	97+400	PROGORELICA	3	S	M	C3							station distance		12102				P							ŽS-I	
		3,499	100+899	BOGUTOVAČKA BANJA	1	S	M	C3			727	2	727	2	station distance	4	12103		S	T	P	300	0,8	5	3	5	5	ŽS-I	233,4
07.08.		7,962	108+861	DOBRE STRANE	2	S	M	C3			630	2	630	2	station distance	4	12104			U	P	300	6,7	6	0	8	-	ŽS-I	262,7
1931.		9,252	118+113	POLUMIR	1	S	M	C3			658	2	658	2	station distance	3	12105			U	P	250	1,0	7	1	9	9	ŽS-I	304,2
		5,487	123+600	PUSTO POLJE	3	S	M	C3							station distance		12116				P							ŽS-I	
		3,693	127+293	UŠĆE	1	S	M	C3			586	2	586	2	station distance	2	12106		S	P	P/F	300	7,0	6	0	8	-	ŽS-I	343,1
		5,507	132+800	LOZNO	3	S	M	C3							station distance		12115				P							ŽS-I	
07.08.		3,323	136+123	JOŠANIČKA BANJA	1	S	M	C3			644	3	644	3	station distance	9	12107		S	T	P/F	270	4,1	7	0	8	-	ŽS-I	379,8
1931.		2,190	138+313	PISKANJA	8	S	M	C3			1005	1	1005	1	station distance	3	12108			T	P/F	300		4	0	5	-	ŽS-I	
		5,140	143+453	BRVENIK	1	S	M	C3			576	2	576	2	station distance	9	12109			P	P/F	250	2,2	4	0	5	-	ŽS-I	393
		4,147	147+600	RVATI	3	S	M	C3							station distance		12110				P							ŽS-I	
		4,710	152+310	RAŠKA	1	S	M	C3			657	2	677	2	station distance	5	12111		S	P	P/F	300	0,4	4	1	5	5	ŽS-I	406,3
12.02.		5,390	157+700	KAZNOVIĆI	3	S	M	C3							station distance		12112				P							ŽS-I	
1931.		4,288	161+988	RUDNICA	1	S	M	C3			638	2	638	2	station distance	9	12113		S	T	P/F	300	4,8	4	3	6	6	ŽS-I	416,5
		2,412	164+400	ADMINISTRATIVNA LINIJA	15	S	M	C3							station distance							300						ŽS-I	
		1,200	165+600	DONJE JARINJE	3	S	M	C3							station distance		12117				P							ŽS-I	
		3,324	168+924	JERINA	3	S	M	C3							station distance		12114				P							ŽS-I	
		3,376	172+300	LEŠAK	1	S	M	C3			479	2	473	2	station distance	1	12001			P	P/F	300	0,0	6	0	8	-	ŽS-I	441
		5,600	177+900	DREN	3	S	M	D3							station distance		12002				P							ŽS-I	
		4,900	182+800	LEPOSAVIĆ	1	S	M	D3			619	2 и 3	579	3	station distance	1	12003			P	P/F	300	0,0	6	2	8	4	ŽS-I	454
		5,200	188+000	PRIDVORICA	3	S	M	D3							station distance		12021				P							ŽS-I	
12.02.		0,500	188+500	SOČANICA	3	S	M	D3							station distance		12004				P							ŽS-I	
1931.		3,800	192+300	IBARSKA SLATINA	1	S	M	D3			587	3	576	3	station distance	1	12005		S	P	P/F	300	0,0	5	1	8	4	ŽS-I	470
		3,400	195+700	PLANDIŠTE	3	S	M	D3							station distance		12019				P							ŽS-I	
		6,300	202+000	BANJSKA	1	S	M	D3			540	3	539	3	station distance	1	12006		S	U	P/F	300	2,0	5	1	7	3	ŽS-I	491
		6,200	208+200	VALAČ	8	S	M	D3			551	1	545	1	station distance	1	12007		S	U	P/F	300	0,0	4	3	5	4	ŽS-I	495
		2,700	210+900	ZVEČAN	1	S	M	D3			630	1	640	1	station distance	11	12008		S	P	P/F	300	0,0	3	0	4	5	ŽS-I	496
		2,367	213+267	ODV. SKR.	14	S	M	D3							station distance													ŽS-I	
		*0,120	0+120	KOSOVSKA MITROVICA SEVER		S	M	D3	10		137	1	140	1	station distance	11	12022		S	U	P	300						ŽS-I	497
110 Subotica - Bogojevo - State Border - (Erdut)																													
			41+074	DRŽAVNA GRANICA	15				30 (50)								25471												93,7
		2,741	43+815	BOGOJEVO	1	S	M	C3			730	3 и 4	732	3 и 4	station distance	1	25470		S	P	P/F	3000	0,2	0	5	-	5	ŽS-I	85,1
		6,252	50+067	SONTA	1	S	M	D3			513	2 и 3	573	2 и 3	station distance	5	25501		S	U	P/F	2000	0,2	1	1	1	1	ŽS-I	85,3
20.11.		0,541	50+608	RASPUTNICA SONTA	6	S	M	D3							station distance													ŽS-I	
1870.		8,028	58+636	PRIGREVICA	1	S	M	D3			488	2 и 3	511	2 и 3	station distance	5	25502		S	T	P/F	2000	0,0	3	1	3	1	ŽS-I	86,6
		7,444	66+080	BUKOVAČKI SALAŠI	1	S	M	D3	60 (80)		623	2 и 3	623	2 и 3	station distance	5	25503			U	P/F	1900	0,4	3	5	3	5	ŽS-I	87,8
		7,379	73+459	SOMBOR	1	S	M	D3			505	3 и 4	505	3 и 4	station distance	4	25550	Yes	S/E	P	P/F	1090	0,0	6	5	6	5	ŽS-I	88,2
		9,910	83+369	SVETOZAR MILETIĆ	1	S	M	D3			524	2 и 3	524	2 и 3	station distance	5	24401		S	U	P/F	900	0,9	3	1	3	1	ŽS-I	89,8
11.11.		14,132	97+501	ALEKSA ŠANTIĆ	1	S	M	D3			522	2 и 3	522	2 и 3	station distance	5	24403		S	U	P/F	3000	0,0	6	1	6	1	ŽS-I	119,6
1869.		7,671	105+172	BAJMOK	1	S	M	D3			525	3 и 4	506	3 и 4	station distance	5	24404		S	T	P/F	3000	1,3	3	5	3	5	ŽS-I	118,3
		6,673	111+845	SKENDEREVO	3	S	M	D3							station distance		24405					1900						ŽS-I	124,6

Date of handover to public transport		Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freightF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
Right track	Left track								Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains										Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		3,529	115+374	TAVANKUT	1	S	M	D3	60 (80)		617	2 и 3	617	2 и 3	station distance	5	24406			U	P/F		2,5	4	4	4	4	ŽS-I	124,7
11.11.		3,183	118+557	LJUTOVO	3	S	M	D3							station distance		24407											ŽS-I	124,5
1869.		5,204	123+761	ŠEBEŠIĆ	1	S	M	D3			716	2 и 3	733	2 и 3	station distance	5	24408			U	P/F		2,5	3	3	3	3	ŽS-I	127
		4,460	128+221	SUBOTICA PREDGRAĐE	3	S	M	D3							station distance		24409											ŽS-I	119,3
		6,317	134+538	SUBOTICA	1	S	M	D3			594	2 и 3	594	2 и 3	station distance	4	23450		S/E	P	P/F	610	1,0	3	6	3	6	ŽS-I	113,2
111 Beograd Marshalling Yard "A" - Ostružnica - Batajnica																													
			0+000	BEOGRAD Marshalling Yard A	1								789	7 и 8		1	16201			P									
28.05.		3,300	3+300	OSTRUŽNICA	1	S	M	D4	50				750	2 и 3	station distance	1	16202		S	P	F	600	0,0	7	1	8	2	ŽS-I	
1967.		11,200	14+500	SURČIN	1	S	M	D4			733	3	733	3	station distance	1	16203		S	P	F		0,0	5	5	5	5	ŽS-I	
		11,158	25+658	BATAJNICA	1	S	M	D4			853	3	862	4	station distance	1	16204		S	P	P/F	300	0,0	2	6	2	7	ŽS-I	
112 Beograd Marshalling Yard "B" – Ostružnica																													
02.08.			0+000	BEOGRAD Marshalling Yard B	1				50							1	16201	Yes		P	F								
1970.		5,902	5+902	OSTRUŽNICA	1	S	M	D4			750	2	750	2	station distance	1	16202		S	P	F	300		7	1	9	2	ŽS-I	
113 Beograd Marshalling Yard "A" - Rasputnica "B" - Rasputnica "K/K1" - Resnik																													
02.08.			0+000	BEOGRAD Marshalling Yard A	1								789	6 и 7		1	16201			P	F								
1970.		2,776	2+776	RASPUTNICA B	6	S	M	D4	60						station distance	1				P		350		15	0	17	-	ŽS-I	
28.05.		6,081	8+857	RASPUTNICA K	6	S	M	D4							station distance	1				P		500		9	7	10	8	ŽS-I	
1967.		1,562	10+419	RESNIK	1	S	M	D4	20		730	3	730	3	station distance	1	15501			P	P/F	350		1	9	1	11	ŽS-I	
114 Ostružnica - Rasputnica "B" - (Rasputnica "K/K1")																													
28.05.			0+000	OSTRUŽNICA	1				50		845	3 и 4	845	2, 3 и 4		1	16202		S	P	F								
1967.		2,121	2+121	RASPUTNICA B	6	S	M	D4							station distance	1				P		600		2	3	3	4	ŽS-I	
115 Beograd Marshalling Yard "B" - Rasputnica "R" - Rasputnica "A" - (Resnik)																													
			1+772	BEOGRAD Marshalling Yard B	1											1	16201	Yes	S	P	F								
02.08.			4+895	RASPUTNICA R	6	S	M	D4	50																				
1970.		3,123	4+895	RASPUTNICA R	6	S	M	D4							station distance	1						400	7,0	6	1	6	1	ŽS-I	
		1,414	6+309	RASPUTNICA A	6	S	M	D4							station distance	1							5,6	2	1	4	1	ŽS-I	
116 (Beograd Marshalling Yard "B") - Rasputnica "R" - Rakovica																													
20.10.			4+895	RASPUTNICA R	6				50							1													
1988.		0,903	5+798	RAKOVICA	1	S	M	D4			702	4	702	5	station distance	1	16103			P	P	300		7	5	7	5	ŽS-I	
117 Beograd Marshalling Yard "A" - Rasputnica "T" - Rakovica																													
			5+250	BEOGRAD Marshalling Yard A	1	S	M	D4					789	8 и 9		1	16021			P	F							ŽS-I	
02.03.		5,250	0+000	RASPUTNICA T	6	S	M	D4	50						station distance	1						500		3	6	4	6	ŽS-I	
1970.		*3,129	5+612	RAKOVICA	1	S	M	D4			702	4	702	5	station distance	1	16103			P	P	300		3	8	4	8	ŽS-I	
118 Beograd Marshalling Yard "B" - Rasputnica "T" - (Rakovica)																													
02.03.			1+774	BEOGRAD Marshalling Yard B	1				30							1	16201	Yes		P									
1970.		0,709	2+483	RASPUTNICA T	6	S	M	D4							station distance	1								5	1	6	1	ŽS-I	
119 connecting track in the area of Rasputnica "K/K1": (Rasputnica "B") - skretica "K" - skretnica "K1" - (Jajinci)																													
28.05.			8+872	RASPUTNICA K	6				60							1				P									
1967.		0,463	9+335	RASPUTNICA K1	6	S	M	D4							station distance	1						600	0,0	0	2	-	2	ŽS-I	
120 (Rasputnica Pančevački most) - Rasputnica Karađorđev park - Rasputnica Dedinje - (Rasputnica G)																													
			0+000	KARAĐORĐEV PARK	7				75	75						1	16053												
		1,491	1+491	DEDINJE	6	D	M	D4							AB with TWT	1						180		2	5	4	-	ŽS-I	
121 Inđija – Golubinci																													
10.12.			0+684	INĐIJA	1						616	3	616	3		1	16801			P									
1883.		0,916	1+600	INĐIJA SELO	3	S	M	D3	100						AB		16504					500						ŽS-I	
		3,104	4+704	GOLUBINCI	1	S	M	D3			655	2 и 3	749	4 и 5	AB	1	16505			P	P	3000	0,0	3	5	7	7	ŽS-I	
122 Novi Sad - Novi Sad Marshalling Yard - Rasputnica Sajlovo																													
			0+056	BLOK 1 NOVI SAD	14											1							0,0						82,6
09.12.		*2,130	1+849	NOVI SAD Marshalling Yard	1	S	M	D3	50		798	1 и 2	798	1 и 2	station distance	4	16871	Yes		P	F	400		3	1	3	2	ŽS-I	
1992.		1,970	3+819	SAJLOVO	4	S	M	D3							block post distance	1	23301			P		700	4,5	3	2	3	3	ŽS-I	84,5
123 bypass track of station Mala Krsna: (Kolari) – branching turnout 1 – branching turnout 28 - (Osipaonica)																													
			0+000	ODV. SKR. 1 MALA KRSNA	14				80							1													
		2,387	2+387	ODB. SKR. 28 MALA KRSNA	14	S	M	D4							RC with AB	1						1000		0	2	-	2	DK-I	

Date of handover to public transport									Maximum permitted speed		Direction A→B		Direction B→A										Ruling gradient		Ruling resistance of the line [daN]					
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Incline	Slope	←	→	Loading gauge	Altitude
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
124 Rasputnica Lapovo Varoš - Lapovo Marshalling Yard – Lapovo																													
14.7.1943.			0+000	LAPOVO VAROŠ	7											1	13405			P									102,6
		2,100	2+100	LAPOVO Marshaling Yard	1	D	M	D4	10	10	849	7 и 8	836	9 и 10	station distance	4	13407	Yes	S	P	F	500	3,0	1	0	2	-	ŽS-I	
		1,688	3+788	LAPOVO	1	D	M	D4			664	5	563	6	station distance	1	13450		S	P	P/F	500	0,0	3	0	4	-	ŽS-I	105,5
125 Trupale - Niš Marshalling Yard - Međurovo																													
			235+243	TRUPALE	1				50		744	3	738	4		1	12516		S	P									
1942.		2,934	238+177	NIŠ Marshalling Yard	1	S	M	D4			733	8	885	9	AB	1	12601	Yes		P	P/F	300		3	4	3	6	ŽS-I	
		1,103	239+280	RASPUTNICA MOST	6	S	M	D4	30						AB	1						1000		0	3			ŽS-I	
		1,988	241+268	MEĐUROVO	1	S	M	D4	50		580	1	543	1	AB	1	12301		S	P		450		3	6	1	5	ŽS-I	
126 Crveni krst - Niš Marshalling Yard																													
1942.			0+099	CRVENI KRST	1				50		686	3	662	3		1	12550		S	P	P/F								188,8
		3,134	3+233	NIŠ Marshalling Yard	1	S	M	D4			733	8	885	9	AB	1	12601	Yes		P	P/F	605	4,0	0	10	2	5	ŽS-I	187,7
127 Niš - Rasputnica most - (Niš Marshalling Yard)																													
1942.			244+632	NIŠ	1				50		490	3	488	3		1	12551		S/E	P	P/F								
		3,000	247+632	RASPUTNICA MOST	6	S	M	D4							AB	1						400		5	5	2	7	ŽS-I	
128 Spojni kolosek stanice Niš: (Crveni Krst) - odvojna skretnica broj 3 - odvojna skretnica broj 4 - (Ćele Kula)																													
01.06.			0+000	ODV. SKR. 3 NIŠ	14				30							1													
1887.		0,572	0+572	ODV. SKR. 4 NIŠ	14	S	M	D4							AB	1						293		5	5	5	6	ŽS-I	
REGIONAL LINES																													
201 Subotica - Horgoš - State Border - (Röszke)																													
			0+000	SUBOTICA	1						594	2 и 3	594	2 и 3		4	23450		S/E	P			1,0					ŽS-I	113,2
		2,273	2+273	SUBOTICA JAVNA SKLADIŠTA		S	R	C3							station distance		23706					300	0,0	1	4	1	5	ŽS-I	110,4
16.11. 1870.		5,384	7+657	PALIĆ	1	S	R	C3	80		633	3 и 4	630	3 и 4	station distance	5	23704		S	U	P/F	3800	1,8	1	3	1	3	ŽS-I	106,8
		0,593	8+250	HAJDUKOVO	8	S	R	C3							station distance		23703					3800						ŽS-I	105,3
		7,167	15+417	BAČKI VINOGRADI	10	S	R	C3			757	2 и 3	757	2 и 3	station distance	11	23702			U	P/F		1,8	3	4	3	4	ŽS-I	102,6
		7,908	23+325	HORGOŠ	1	S	R	A	20		781	3 и 4	781	3 и 4	station distance	9	23701		S	U	P/F	750	2,0	3	4	3	4	ŽS-I	90,5
		*4,524	159+712	DRŽAVNA GRANICA	15	S	R	A							station distance		23199					1900		3	5	3	5	ŽS-I	85,8
202 Pančevo main st. - Zrenjanin - Kikinda - State Border - (Jimbolia)																													
			16+196	PANČEVO main st.	1						845	4 и 5	835	4 и 5		4	22001	Yes	S	P	P/F		0,0					ŽS-I	77
		1,463	17+659	RASPUTNICA 2a	6	S	R	D2	50						station distance	4				U		350	0,5						77
		4,675	22+334	JABUKA	1	S	R	D2			409	2 и 3	249	2 и 3	station distance	9	22002			U		600	0,0	1	2	1	2	ŽS-I	77
		4,465	26+799	KAČAREVO	1	S	R	D2	70		473	2 и 3	473	2 и 3	station distance	9	22003		S	T		300	0,0	2	1	2	1	ŽS-I	80
		7,059	33+858	CREPAJA	1	S	R	A			537	2 и 3	537	2 и 3	station distance	9	22004		S	U		500	0,5	1	1	1	2	ŽS-I	82
09.04. 1884.		7,467	41+325	DEBELJAČA	1	S	R	A			554	3 и 4	554	3 и 4	station distance	1	22005		S	U	P/F	1000	0,5	1	1	1	1	ŽS-I	82
		4,510	45+835	KOVAČICA	1	S	R	A	50 (70)		534	2 и 3	534	2 и 3	station distance	9	22006		S	P	P/F	1000	0,0	0	0	-	-	ŽS-I	105
		10,436	56+271	UZDIN	1	S	R	A			617	2 и 3	617	2 и 3	station distance	9	22201		S	U	F	400	0,5	4	3	4	3	ŽS-I	70
		5,668	61+939	TOMAŠEVAC	1	S	R	D2			665	2 и 3	665	2 и 3	station distance	8	22202		S	P	P/F	300	0,0	3	4	3	4	ŽS-I	78,0
		2,106	64+045	ORLOVAT STAJALIŠTE	2	S	R	D2			253	1 и 2	253	1 и 2	station distance	11	22203			P	P	300	0,0	4	0	4	-	ŽS-I	80,0
		0,715	64+760	RASPUTNICA 1a	6	S	R	A							station distance	11						500	0,0					ŽS-I	81,0
		10,835	75+595	LUKIĆEVO	1	S	R	A	30 (50)		524	2 и 3	524	2 и 3	station distance	9	22204		S	T	P/F	650	0,0	5	2	5	2	ŽS-I	81,0
		8,803	84+398	ZRENJANIN FABRIKA	1	S	R	B2			633	2 и 3	633	2 и 3	station distance	4	22501	Yes	S	P	P/F	400	3,0	2	2	2	4	ŽS-I	81,3
04.05.1889.		4,397	88+795	ZRENJANIN	1	S	R	B2			585	2 и 3	585	2 и 3	station distance	8	22550			P	P/F	300	0,0	3	4	6	7	ŽS-I	78,9
		0,908	89+703	ZRENJANIN freight st.	1	S	R	B2	30 (40)		937	2 и 3			station distance				S/E		F	700	0,0					ŽS-I	78,9
		7,772	97+475	ELEMIR	1	S	R	B2			629	2 и 3	629	2 и 3	station distance	1	22503		S	P	P/F	500	0,0	5	2	5	2	ŽS-I	77,6
		4,525	102+000	KM 102+000 PB	9	S	R	B2	30						station distance							1000	0,0					ŽS-I	80,8
		3,815	105+815	MELENCI	1	S	R	B2	30 (40)		647	2 и 3	647	2 и 3	station distance	9	22504		S	T	P	500	0,0	2	1	2	1	ŽS-I	80,8
08.07. 1883.		6,887	112+702	KUMANE	1	S	R	B2			519	2 и 3	519	2 и 3	station distance	9	22505		S	T	P	550	2,0	0	2	-	2	ŽS-I	77,5
		8,922	121+624	NOVI BEČEJ	1	S	R	A	30		576	2 и 3	576	2 и 3	station distance	8	22506		S	P	P/F	485	0,0	5	3	5	3	ŽS-I	80,8
		15,514	137+138	BANATSKO MILOŠEVO POLJE	11	S	R	A	20		537	2 и 3	537	2 и 3	station distance	9	22508			U	P	500	0,0	2	2	2	3	ŽS-I	80,4
		4,153	141+291	BANATSKO MILOŠEVO	1	S	R	A			740	2 и 3	740	2 и 3	station distance	8	22509		S	P	P/F	480	0,0	1	2	1	2	ŽS-I	79,3
		7,309	148+600	DERIĆ	3	S	R	C3							station distance		22801					475	0,0					ŽS-I	78,9
		11,514	160+114	KIKINDA	1	S	R	C3	60 (80)		842	1 и 2	842	1 и 2	station distance	4	22850		S	P	P/F	500	0,0	4	6	4	6	ŽS-I	80,0
15.11. 1857.		*10,398	11+099	BANATSKO VELIKO SELO	1	S	R	C3			619	2 и 3	619	2 и 3	station distance	10	22803		S	T	F	1903	0,0	1	1	1	1	ŽS-I	80,5
		3,324	14+423	DRŽAVNA GRANICA	15	S	R	C3							station distance		22899							0	0	-	-	ŽS-I	

Date of handover to public transport									Maximum permitted speed		Direction A→B		Direction B→A										Ruling gradient		Ruling resistance of the line [daN]				
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Incline	Slope	←	→	Loading gauge	Altitude
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
203 Beograd Donji Grad (km 7+041) - Beograd Dunav - Rasputnica Pančevački most																													
			7+700	BEOGRAD DONJI GRAD	1											4	16051		S/E	U	F		0,8					ŽS-I	
		2,166	9+866	BEOGRAD DUNAV	1	S	R	D4	10		947	3	947	3	station distance	3	16005			U	P/F		1,4	7	0	8	-	ŽS-I	
		0,910	10+776	PANČEVAČKI MOST	7	S	R	D4			667	4	672	4	station distance	1	16013			P				3	0	4	-	ŽS-I	
204 Topčider Putnička (4+195) – Rasputnica G - Rakovica																													
			5+116	TOPČIDER	1						583	5	583	5		3	16104		E	P	P		4,9						
17.09. 1934.	03.09 1884.	1,305	6+421	TOPČIDER freight st.	1	D	R	D4	30	30			615	12	station distance	3												ŽS-I	
		0,374	6+795	RASPUTNICA G	6	D	R	D4							station distance	1								2	0	3	-	ŽS-I	
205 Banatsko Miloševo - Senta - Subotica																													
			0+356	BANATSKO MILOŠEVO	1						740	2 и 3	740	2 и 3		8	22509		S	P	P/F		0,0						79,3
15.09. 1896.		4,749	5+105	BOČAR	8	S	R	C3	60 (80)		568	2 и 3	568	2 и 3	station distance	11	22601		S	U	P/F	400	0,0	1	3	2	4	ŽS-I	80,4
		5,595	10+700	ESTER	3	S	R	C3							station distance		22602						0,0					ŽS-I	
		7,363	18+063	PADEJ	1	S	R	C3			523	2 и 3	523	2 и 3	station distance	10	22603		S	T	P	500	0,0	4	3	6	4	ŽS-I	82,0
15.09. 1896.		7,167	25+230	OSTOJIĆEVO	8	S	R	C3	60 (80)		570	2	570	2	station distance	11	22604		S	U	P	500	0,0	2	0	2	-	ŽS-I	85,5
		5,946	31+176	ČOKA	1	S	R	C3			619	3 и 4	619	3 и 4	station distance	10	22605		S	T	P/F	800	2,5	6	5	6	5	ŽS-I	84,8
		4,011	35+187	KM 35+187 PB	9	S	R	A	60 (75)						station distance							300	0,0					ŽS-I	
1915.		3,220	38+407	ODV. SKR. 22 SENTA	14	S	R	A							station distance	1							0,0	10	10	10	13	ŽS-I	82,5
		*1,082	0+000	SENTA	1	S	R	A			523	2 и 3	523	2 и 3	station distance	1	23801		S	P	P/F	300		1	1	1	1	ŽS-I	82,5
		1,391	1+391	ODV. SKR. 23 SENTA	14	S	R	A							station distance	1						300		10	10	10	13	ŽS-I	83,1
		*1,595	40+759	RASPUTNICA SENTA (UKINUTA)	6	S	R	A							station distance	5												ŽS-I	83,6
		1,534	42+293	GORNJI BREG	3	S	R	A							station distance		23802					400						ŽS-I	89,6
14.11. 1889.		6,917	49+210	BOGARAŠ	2	S	R	A	20 (30)		528	2 и 3	528	2 и 3	station distance	6	23803			U	P	1000	3,0	7	0	7	-	ŽS-I	103,9
		5,013	54+223	DOLINE	3	S	R	A							station distance		23804					1000						ŽS-I	106,6
		3,825	58+048	OROM	1	S	R	A			600	2 и 3	600	2 и 3	station distance	4	23805		S	U	P/F	1000	3,2	2	2	2	2	ŽS-I	108,4
		4,023	62+071	GABRIĆ	8	S	R	A							station distance	11	23806					3000		3	2	3	2	ŽS-I	109,6
		2,521	64+592	BIKOVO	8	S	R	A							station distance	11	23807							2	2	2	2	ŽS-I	109,4
		12,093	76+685	SUBOTICA	1	S	R	A			594	2 и 3	594	2 и 3	station distance	4	23450		S/E	P	P/F	500	1,0	6	2	6	2	ŽS-I	113,2
206 Pančevo Varoš - Rasputnica 2a - (Jabuka)																													
09.04.			0+275	PANČEVO VAROŠ	1				50		506	2 и 3	506	2 и 3			21001		S	P	P/F		0,45						77
1894.		1,264	1+539	RASPUTNICA 2a	6	S	R	D2							station distance							500	0,5	1	1	1	1	ŽS-I	77
207 Novi Sad - Odžaci – Bogojevo																													
			0+401	NOVI SAD	1						492	4 и 5	493	4 и 5		1	16808		E	P	P		0,0						82,6
		3,017	3+418	BLOK 3 NOVI SAD	14	S	R		80							1						400						ŽS-I	
		0,177	3+595	SAJLOVO	4	S	R	D3							AB	1	23301			P				3	0	3	-	ŽS-I	
		5,505	9+100	VETERNIK	3	S	R	C3	60						station distance													ŽS-I	
		3,454	12+554	FUTOG	1	S	R	C3			544	2 и 3	544	2 и 3	station distance	9	24003		S	T	P/F	100	0,0	1	3	1	3	ŽS-I	81,3
14.09. 1895.		12,557	25+111	PETROVAC-GLOŽAN	1	S	R	D3			624	2 и 3	624	2 и 3	station distance	4	24004		S	U	P/F	300	0,0	4	3	5	5	ŽS-I	84,9
		4,431	29+542	BAČKI MAGLIĆ	10	S	R	D3			710	1 и 2	710	1 и 2	station distance	11	24005		S	U	P/F	400	1,0	4	4	5	4	ŽS-I	84,8
		6,550	36+092	GAJDOBRA	1	S	R	D3[1)]	100		387	2 и 3	387	2 и 3	station distance	8	24001		S	T	P/F	450	0,0	1	0	2	3	ŽS-I	85,6
		8,132	44+224	PARAGE	3	S	R	D3[1)]							station distance		25001				P	900	1,0					ŽS-I	85,9
		6,223	50+447	RATKOVO	1	S	R	D3			744	2 и 3	744	2 и 3	station distance	4	25002		S	U	P/F		1,0	1	0	1	-	ŽS-I	85,7
		8,556	59+003	ODŽACI	1	S	R	D3[1)]			457	2 и 3	457	2 и 3	station distance	8	25003		S	P	P/F	300	0,0	1	2	1	2	ŽS-I	84,4
		2,237	61+240	ODŽACI KALVARIJA	10	S	R	D3[1)]	65		240	1 и 2	240	1 и 2	station distance	11	25401		S	U	P/F	300	1,0	1	0	3	1	ŽS-I	85
24.12. 1908.		4,208	65+448	KARAVUKOVO	1	S	R	D3[1)]			686	2 и 3	693	2 и 3	station distance	1	25402		S	P	P	300	2,0	1	0	3	-	ŽS-I	85,4
		7,023	72+471	BOGOJEVO SELO	3	S	R	D3[1)]	100						station distance		25403											ŽS-I	
		4,214	76+685	BOGOJEVO	1	S	R	D3			730	3 и 4	732	3 и 4	station distance	1	25470		S	P				2	2	3	2	ŽS-I	
1) Stations Gajdobra, Odžaci and Karavukovo, A category																													
208 (Novi Sad) - Rasputnica Sajlovo - Rimski Šančevi - Orlovat Stajalište																													
			4+906	SAJLOVO	4											1	23301			P			4,0						86,4
31.05. 1964.		1,794	6+700	GORNJE SAJLOVO	1	S	R	C3	40						station distance	4				U		500						ŽS-I	
		3,448	10+148	RIMSKI ŠANČEVI	1	S	R	C3			558	2 и 3	558	2 и 3	station distance	8	23001		S	T	P/F	450	2,0	5	5	6	5	ŽS-I	83,1

Date of handover to public transport		Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Maximum permitted speed		Direction A→B		Direction B→A		Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
Right track	Left track								Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains										Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		*2,984	14+608	RASPUTNICA 1	6	S	R	C3							station distance	11											ŽS-I	
		1,143	15+751	RASPUTNICA 2											station distance												ŽS-I	
02.07. 1889.		4,818	20+569	KAĆ	1	S	R	A			593	2 и 3	593	2 и 3	station distance	9	22311		S	T	P/F	1000	1,0	3	5	4	5	ŽS-I	81,8
		4,649	25+218	BUDISAVA	10	S	R	A	60 (80)		533	2 и 3	533	2 и 3	station distance	11	22310			U	P	1000	0,0	2	4	2	4	ŽS-I	81,5
		7,006	32+224	ŠAJKAŠ	1	S	R	A			548	2 и 3	548	2 и 3	station distance	9	22309		S	T	P	1000	0,0	2	1	3	1	ŽS-I	81
02.07. 1889.		6,170	38+394	VILOVO/GARDINOVCI	10	S	R	A							station distance					U	P	500	0,0	2	4	2	4	ŽS-I	78,6
		5,451	43+845	LOK	3	S	R	A							station distance		22307				P	400	1,0					ŽS-I	78,4
		5,587	49+432	TITEL	1	S	R	A			573	2 и 3	573	2 и 3	station distance	4	22306		S	T	P/F	450	0,0	5	3	5	3	ŽS-I	88,4
15.07. 1927.		1,700	51+132	DONJI TITEL	3	S	R	A							station distance		22305				P	700	0,0					ŽS-I	77,4
		2,713	53+845	KNIČANIN	3	S	R	A							station distance		22304				P	950	3,0					ŽS-I	77,4
		4,330	58+175	PERLEZ	1	S	R	A	50 (60)		804	2 и 3	804	2 и 3	station distance	5	22303		S	U	P	400	0,0	10	8	11	9	ŽS-I	79,8
15.09. 1925.		7,347	65+522	FARKAŽDIN	1	S	R	A			787	2 и 3	787	2 и 3	station distance	5	22302		S	U	P	400	4,0	3	1	5	3	ŽS-I	82,8
		9,859	75+381	ORLOVAT	1	S	R	A			555	2 и 3	555	2 и 3	station distance	11	22301		S	U		400	0,0	4	5	4	5	ŽS-I	80,5
		0,875	76+256	ORLOVAT STAJALIŠTE	2	S	R	A	30		253	1 и 2	253	1 и 2	station distance	11	22203			P	P	300	0,0	6	4	6	5	ŽS-I	80
209 Novi Sad Marshalling Yard odvojna skretnica broj 7 - Novi Sad Lokoteretna - Rasputnica Šajlovo																													
			1+141	NOVI SAD Marshalling Yard	1											4	16871	Yes			F								
		0,454	1+595	NOVI SAD LOKOfreight st.		S	R	C3	50						station distance												ŽS-I	
		*2,048	2+185	SAJLOVO	4	S	R	C3							block post distance	1	23301			P				3	0	4	-	ŽS-I	
210 Orlovat - Rasputnica 1a - (Lukićevo)																													
			75+915	ORLOVAT	1				30		555	2 и 3	555	2 и 3		11	22301		S	U			0,0						80,3
11.09. 1935.		0,630	76+545	RASPUTNICA ORLOVAT	6	S	R	A							station distance	11						300	0,0	2	0	5	-	ŽS-I	80,9
211 Ruma - Šabac - Rasputnica Donja Borina - State Border - (Zvornik Novi)																													
			0+517	RUMA	1						639	5 и 6	639	5 и6		1	16550		S	P	P/F		0,0						101,0
05.11. 1901.		10,827	11+344	BUĐANOVCI	1	S	R	D3			607	2 и 3	607	2 и 3	station distance	3	16601		S	U	P	300	0,0	0	6	-	7	ŽS-I	80,9
		5,331	16+675	NIKINCI	8	S	R	D3	70 (80)						station distance	11	16602		S		P	500	0,0	2	2	3	3	ŽS-I	81,6
		4,669	21+344	PLATIČEVO	1	S	R	D3			628	2 и 3	628	2 и 3	station distance	3	16603		S	P	P/F	500	0,0	1	1	2	2	ŽS-I	81,8
		7,556	28+900	KLENAK	3	S	R	D3							station distance		16604		S		P	500	0,0					ŽS-I	80,0
		2,473	31+373	RASPUTNICA 1	6	S	R	D3							station distance	1						400						ŽS-I	79,2
03.06. 1934.		0,579	31+952	RASPUTNICA 2	6	S	R	D3							station distance	1						600						ŽS-I	79,1
		0,763	32+715	ŠABAC	1	S	R	D3			467	2 и 3			station distance	2	16350		S/E	P	P/F	300	0,0	7	7	7	7	ŽS-I	78,5
		0,980	33+695	ŠABAC (kraj Km)		S	R	A	50						station distance													ŽS-I	
			0+712	RASPUTNICA 2	6	S	R	D3							station distance	1												ŽS-I	79,1
		0,682	1+394	RASPUTNICA 3	6	S	R	D3							station distance	1						300						ŽS-I	
		2,606	4+000	MAJUR	3	S	R	D3	70 (80)						station distance		16300											ŽS-I	
		3,725	7+725	ŠTITAR	2	S	R	D3			614	1 и 2	614	1 и 2	station distance	9	16301			P	P/F		0,0	3	0	5	-	ŽS-I	82,4
		6,575	14+300	DUBLJE MAČVANSKO	3	S	R	A							station distance		16302				P	700						ŽS-I	85,5
		7,731	22+031	PETLOVAČA	1	S	R	A			497	2 и 3	497	2 и 3	station distance	4	16303			U	P/F	600		2	1	2	2	ŽS-I	91,2
		3,769	25+800	RIBARI	3	S	R	A							station distance		16304				P							ŽS-I	90,8
15.05. 1950.		2,913	28+713	PRNJAVOR MAČVANSKI	1	S	R	A	60 (80)		542	2 и 3	542	2 и 3	station distance	9	16305			U	P/F	700	1,0	2	0	2	-	ŽS-I	96,2
		4,587	33+300	PODRINSKO NOVO SELO	3	S	R	A							station distance		16306				P	700	0,0					ŽS-I	101,9
		1,700	35+000	LEŠNICA	1	S	R	A			614	2 и 3	614	2 и 3	station distance	4	16307			P	P/F		0,0	3	0	3	-	ŽS-I	105,2
		3,900	38+900	JADARSKA STRAŽA	3	S	R	D3							station distance		16308				P	700	0,0					ŽS-I	109,4
		6,500	45+400	LIPNICA	3	S	R	D3							station distance		16309				P	700	0,0					ŽS-I	114,4
		5,996	51+396	LOZNICA	1	S	R	A			853	2 и 3	853	2 и 3	station distance	4	16310		S	P	P/F	700	0,0	4	2	4	4	ŽS-I	122,3
		2,004	53+400	LOZNICA FABRIKA	3	S	R	A							station distance		16311				P	5500	0,0					ŽS-I	121,6
		2,783	56+183	KOVILJAČA	1	S	R	A			574	2 и 3	574	2 и 3	station distance	4	16312			U	P	700	0,0	2	2	3	3	ŽS-I	119,8
		5,517	61+700	GORNJA KOVILJAČA	3	S	R	A	60 (80)						station distance		16313				P/F	500	0,0					ŽS-I	135,6
		3,654	65+354	BRASINA	1	S	R	D3			618	3 и 4	618	3 и 4	station distance	4	16314		S	P	P/F	700	0,0	4	2	5	5	ŽS-I	134,6
15.05. 1950.		2,446	67+800	DONJA BORINA	3	S	R	D3							station distance		16315				P	700						ŽS-I	136,9
		0,885	68+685	RASPUTNICA DONJA BORINA	6	S	R	A							station distance	3				P	P	700		4	0	5	-	ŽS-I	137,7
09.03.1978.		*0,800	0+800	DRŽAVNA GRANICA	15	S	R	C3	50						station distance		16319					300		0	4	-	6	ŽS-I	
212 (Platičevo) - Rasputnica 1 - Rasputnica 3 - (Štitar)																													
			0+000	RASPUTNICA 1	6				50							1													79,3
		0,675	0+675	RASPUTNICA 3	6	S	R	D3							station distance	1						300		0	0	-	-	ŽS-I	

Date of handover to public transport								Maximum permitted speed		Direction A→B		Direction B→A																	
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
																								Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
213 Stalać - Kraljevo - Požega																													
			0+374	STALAĆ	1						582	4				1	13352		S	P									
		1,026	1+400	GRAD STALAĆ	3	S	R	C3							station distance		12219				P							ŽS-I	
15.05. 1909.		2,487	3+887	MRZENICA	3	S	R	C3	30 (50)						station distance		12201				P							ŽS-I	
		5,083	8+970	MAKREŠANE	3	S	R	C3							station distance		12202				P							ŽS-I	
		2,953	11+923	DEDINA	1	S	R	C3			412	2	412	2	station distance	9	12203		S	U	P/F	200	3,4	7	5	10	10	ŽS-I	144
		2,636	14+559	KRUŠEVAC	1	S	R	C3			714	4	714	4	station distance	4	12204		S	P	P/F	250	0	2	1	2	2	ŽS-I	144
		4,841	19+400	ČITLUK	3	S	R	B2							station distance		12218				P							ŽS-I	
		1,984	21+384	KOŠEVI	1	S	R	B2			586	2	586	2	station distance	2	12205		S	U	P	250	4,4	6	4	7	7	ŽS-I	147,4
		3,924	25+308	GLOBODER	3	S	R	B2							station distance		12206				P							ŽS-I	
		3,709	29+017	STOPANJA	1	S	R	B2			625	3	625	3	station distance	2	12207		S	U	P	700	5,3	5	1	5	5	ŽS-I	153,4
		4,683	33+700	DONJA POČEKOVINA	3	S	R	B2							station distance		12220				P							ŽS-I	
		1,847	35+547	POČEKOVINA	1	S	R	B2			602	3	602	3	station distance	2	12208		S	U	P	200	0,8	7	2	7	7	ŽS-I	167,5
		3,402	38+949	TRSTENIČKI ODŽACI	3	S	R	B2							station distance		12209				P							ŽS-I	
01.12. 1958.		3,506	42+455	TRSTENIK	1	S	R	B2			693	3	693	3	station distance	2	12210		S	T	P/F	500	6,2	5	3	5	5	ŽS-I	169,5
		6,745	49+200	VRNJAČKA BANJA	1	S	R	B2	25 (40)		680	3	680	3	station distance	2	12211		S	U	P	500	5,3	4	3	5	5	ŽS-I	174,8
		4,038	53+238	LIPOVA	3	S	R	B2							station distance		12212				P							ŽS-I	
		2,400	55+638	TOMINAC	3	S	R	B2							station distance		12216				P							ŽS-I	
		2,013	57+651	PODUNAVCI	1	S	R	B2			647	3	647	3	station distance	2	12213		S	U	P	500	4,55	6	5	6	6	ŽS-I	186,8
		2,287	59+938	VRANEŠI	3	S	R	B2							station distance		12217				P							ŽS-I	
		2,287	62+225	VRBA	3	S	R	B2							station distance		12214				P							ŽS-I	
		3,656	65+881	RATINA	1	S	R	B2			657	3	657	3	station distance	2	12215		S	U	P/F	500	0,75	4	4	4	4	ŽS-I	195,2
		3,027	68+908	SIRČA	3	S	R	B2							station distance		13220				P							ŽS-I	
		2,713	71+621	KRALJEVO	1	S	R	B2			738	4	738	4	station distance	4	13251		S/E	P	P/F	300		6	4	7	7	ŽS-I	202,4
		0,917	72+538	ODV. SKR. 73 KRALJEVO	14	S	R	D4							station distance													ŽS-I	
		6,099	78+637	ADRANI	1	S	R	D4			605	3	605	3	station distance	3	13001		S	P	P/F	300	0	3	7	3	9	ŽS-I	198
		2,891	81+528	MRSAĆ	3	S	R	D4							station distance		13002				P							ŽS-I	
		2,913	84+441	SAMAILA	1	S	R	D4			606	3	606	3	station distance	3	13003		S	U	P	600	7	6	2	6	6	ŽS-I	212,4
29.09. 1955.		4,169	88+610	GORIČANI	3	S	R	D4	80						station distance		13004				P							ŽS-I	
		3,650	92+260	MRŠINCI	11	S	R	D4			605	3	605	3	station distance	3	13005		S	U	P	600	4,6	7	3	8	8	ŽS-I	228,7
		2,240	94+500	KUKIĆI	3	S	R	D4							station distance		13014				P							ŽS-I	
		1,803	96+303	ZABLAĆE	1	S	R	D4			602	2 и 3	602	2 и 3	station distance	2	13006		S	U	P	900	6,6	4	4	4	4	ŽS-I	228,4
		2,697	99+000	BALUGA	3	S	R	D4							station distance		13012				P							ŽS-I	
		6,541	105+541	ČAČAK	1	S	R	D4			877	2	877	2	station distance	3	13060	Yes	S	P	P/F	500	6,17	5	4	5	5	ŽS-I	237,3
		4,659	110+200	TRBUŠANI	3	S	R	D4							station distance		13010				P							ŽS-I	
28.11. 1976.		2,794	112+994	PRIJEVOR	1	S	R	D4	100		615	3	615	3	station distance	3	13007		S	U	P/F		5,7	6	1	7	7	ŽS-I	250,3
		7,500	120+494	OVČAR BANJA	2	S	R	D4			627	2	627	2	station distance	3	13008			U	P		3,9	8	2	9	9	ŽS-I	291,6
		6,706	127+200	JELEN DO	3	S	R	D4							station distance		13013				P							ŽS-I	
		1,166	128+366	DRAGAČEVO	1	S	R	D4			618	3	618	3	station distance	3	13009		S	P	P/F		3,3	4	1	5	5	ŽS-I	298,2
28.11. 1976.		1,534	129+900	GUGALJ	3	S	R	D4	100						station distance		13015				P							ŽS-I	
		3,800	133+700	BORAČKO	3	S	R	D4							station distance		13011				P							ŽS-I	
		2,334	136+034	ODV. SKR. 54 POŽEGA	14	S	R	D4							station distance	1												ŽS-I	
		0,073	136+107	POŽEGA	1	S	R	D4							station distance	1	15150	Yes		P		500		5	1	5	5	ŽS-I	
214 connecting track to station Kraljevo: (Mataruška Banja) - branching turnout No 72 - branching turnout No 73 - (Adrani) RAIL CLOSED FOR TRAFFIC																													
			0+444	ODV. SKR. 72 KRALJEVO	14										station distance														
		*0,444	0+000	ODV. SKR. 73 KRALJEVO	14	S	R		-						station distance													ŽS-I	
215 connecting track to station Požega: (Uzići) – branching turnout No 53 - branching turnout No 54 - (Dragačevo)																													
			0+000	ODV. SKR. 54 POŽEGA	14											1													
25.09. 2001.		0,752	0+752	ODV. SKR. 53 POŽEGA	14	S	R	D4	50							1												ŽS-I	
216 Smederevo – Rasputnica Jezava – Radinac – Mala Krsna																													
			-0+870	POČETAK PRUGE																									
		0,813	-0+057	SMEDEREVO	1	S	R	D4			458	3	458	3	station distance	3	13670			P	P/F	185	0,0					ŽS-I	70,9
10.11. 1888.		*1,832	1+749	RASPUTNICA JEZAVA	6	S	R	D4	70						station distance													ŽS-I	
		*1,475	3+250	GODOMIN	3	S	R	D4							station distance		13602				P							ŽS-I	
		3,942	7+192	RADINAC	1	S	R	D4			711	3	743	3	station distance	1	13603			P	P/F	250		12	7	14	8	ŽS-I	85,1

Date of handover to public transport									Maximum permitted speed		Direction A→B		Direction B→A																	
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
																								Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10.11. 1888.		1,932	9+124	ODV. SKR. 64 RADINAC	14	S	R	C3	30						station distance	1												ŽS-I	
		0,342	9+466	VRANOVO	3	S	R	C3							station distance		13604				P							ŽS-I	
		1,406	10+872	MALA KRSNA	1	S	R	C3			629	4	633	4	station distance	1	13551			P	P/F	450	0,7	6	4	7	4	ŽS-I	83,0
217 Rasputnica Jezava - Smederevo Luka																													
			0+000	RASPUTNICA JEZAVA	6																								
		2,484	2+484	RASPUTNICA JUGOPETROL	6	S	R	D4																					
		1,527	4+011	SMEDEREVO LUKA	1	S	R	D4																					
218 Mala Krsna - Bor - Rasputnica 2 - (Vražogrnac)																													
01.12. 1920.			71+272	MALA KRSNA	1						629	4	633	4		1	13551			P	P/F		0,7						83,0
		10,928	82+200	LJUBIČEVSKI MOST	3	S	R	D4	50						station distance		14551				P							ŽS-I	
		5,563	87+763	POŽAREVAC	1	S	R	D4			543	2	543	2	station distance	3	14550			P	P/F	350	2,6	1	6	1	7	ŽS-I	
12.03. 1939.		1,337	89+100	JUGOVIĆEVO	3	S	R	B2	60 (80)						station distance		14606				P							ŽS-I	
		0,990	90+090	SOPOT POŽAREVAČKI	7	S	R	B2							station distance	6	14502			U	P			7	0	8	-	ŽS-I	
		5,542	95+632	BUBUŠINAC/BRATINAC	1	S	R	B2							station distance	9	14503			U	P	300	0,0	0	8	-	10	ŽS-I	76,2
		5,168	100+800	BARE/KASIDOL	3	S	R	D3							station distance		14504				P							ŽS-I	
		1,927	102+727	STIG	1	S	R	D3			540	2	540	2	station distance	9	14505			T	P/F	800	0,0	10	2	10	2	ŽS-I	123,1
		3,623	106+350	MAJILOVAC	3	S	R	D3							station distance		14506				P							ŽS-I	
		2,705	109+055	SIRAKOVO	2	S	R	D3			533	2	533	2	station distance	8	14507			U	P		4,0	10	0	11	-	ŽS-I	175,3
		7,359	116+414	LJUBINJE	2	S	R	D3			676	2	676	2	station distance	4	14508			U	P		0,0	2	10	2	10	ŽS-I	129,2
		5,858	122+272	ČEŠLJEVA BARA	10	S	R	D3							station distance	11	14509			U	P/F		0,0					ŽS-I	
		3,766	126+038	RABROVO/KLENJE	1	S	R	D3			604	3	604	3	station distance	9	14510			U	P	400	8,5	2	10	2	10	ŽS-I	105,3
		5,762	131+800	MUSTAPIĆ	3	S	R	D3							station distance		14511				P							ŽS-I	
		2,100	133+900	MIŠLJENOVAC	3	S	R	D3							station distance		14522				P							ŽS-I	
		2,167	136+067	ZVIŽD	1	S	R	D3			520	2	520	2	station distance	4	14512			U	P	450	0,0	8	2	9	2	ŽS-I	127,0
15.05. 1950.		4,583	140+650	KUČEVSKA TURIJA	3	S	R	A	30						station distance	11	14513				P							ŽS-I	
		3,896	144+546	KAONA	1	S	R	A			636	2	636	2	station distance	8	14514			T	P/F	400	1,8	10	2	11	2	ŽS-I	153,0
		4,036	148+582	KUČEVO	1	S	R	A			700	2	700	2	station distance	8	14515			U	P/F	300	8,0	3	1	3	1	ŽS-I	154,1
		5,034	153+616	NERESNICA	3	S	R	A							station distance		14517				P							ŽS-I	
		2,876	156+492	NERESNICA	8	S	R	A							station distance	11	14523				P		1,5	8	0	8	2	ŽS-I	
		3,208	159+700	VOLUJA	3	S	R	A							station distance		14518				P							ŽS-I	
		3,882	163+582	BRODICA	1	S	R	A			562	3	562	3	station distance	1	14519			U	P	300	0,0	7	1	9	-	ŽS-I	210,0
29.09. 1958.		3,218	166+800	BOSILJKOVAC	3	S	R	A							station distance		14520				P							ŽS-I	
		3,940	170+740	BLAGOJEV KAMEN	3	S	R	A							station distance	11	14521				P							ŽS-I	
		8,112	178+852	MAJDANPEK	1	S	R	A			681	3 и 4	681	3 и 4	station distance	1	14401		S	P	P/F	300	0,0	7	0	9	-	ŽS-I	289,2
03.04. 1972.		2,948	181+800	DEBELI LUG	3	S	R	C3	60						station distance		14410											ŽS-I	
		5,874	187+674	LESKOVO	2	S	R	C3			631	2 и 3	631	2 и 3	station distance	1	14402		S	U	P	350	2,0	14	0	15	-	ŽS-I	376,9
		4,126	191+800	JASIKOVO	3	S	R	C3							station distance		14403											ŽS-I	
		2,900	194+700	VLAOLE SELO	3	S	R	C3							station distance		14411											ŽS-I	
		2,487	197+187	VLAOLE	1	S	R	C3			538	2 и 3	538	2 и 3	station distance	1	14404		S	T	P/F	300	3,0	13	0	16	-	ŽS-I	474,5
		3,013	200+200	GORNJANE	3	S	R	C3							station distance		14408											ŽS-I	
		2,100	202+300	ŠUŠULAJKA	3	S	R	C3							station distance		14412											ŽS-I	
		3,373	205+673	CEROVO	2	S	R	C3							station distance	1	14405			U				14	10	15	10	ŽS-I	518,3
		2,127	207+800	KRIVELJSKI MOST	3	S	R	C3							station distance		14409											ŽS-I	
		4,000	211+800	KRIVELJSKI POTOK	3	S	R	C3							station distance		14406											ŽS-I	
		3,400	215+200	MALI KRIVELJ	1	S	R	C3			666	1	666	1	station distance	1	14407		S	U	P/F	350	2,0	0	14	-	15	ŽS-I	426,1
		2,300	217+500	BREZONIK	3	S	R	C3							station distance		14413											ŽS-I	
		3,901	221+401	BOR	1	S	R	C3			652	2 и 3	652	2 и 3	station distance	1	14350			U	P	350	0,0	0	13	-	15	ŽS-I	364,6
29.11.1967.		2,949	224+350	BOR freight st.	1	S	R	C3			582	2 и 3	582	2 и 3	station distance	4	14305		S	P	F	250	1,0	2	11	3	13	ŽS-I	356,4
03.10. 1963.		6,742	231+092	BORSKA SLATINA	2	S	R	C3			442	2	436	2	station distance	1	14304			U	P	250	1,0	0	15	-	16	ŽS-I	278,7
		6,989	238+081	ZAGRAĐE	1	S	R	C3			560	2 и 3	560	2 и 3	station distance	1	14303		S	U	P/F	250	0,0	0	15	-	16	ŽS-I	201,6
25.06. 1960.		6,618	244+699	RGOTINA	1	S	R	C3			560	2 и 3	560	2 и 3	station distance	1	14302		S	P	P/F	300	1,0	0	10	-	12	ŽS-I	152,1
		4,333	249+032	RASPUTNICA 3	6	S	R	C3							station distance	1								0	9	-	10	ŽS-I	
		1,013	250+045	RASPUTNICA 2	6	S	R	C3							station distance	1								0	6	-	6	ŽS-I	

Date of handover to public transport									Maximum permitted speed		Direction A→B		Direction B→A																		
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
																								Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
219 (Niš) - Crveni Krst - Zaječar - Prahovo Pristanište																													
			0+957	CRVENI KRST	1						686	3	662	3		1	12550		S	P								ŽS-I	
		6,536	7+493	PANTELEJ	3	S	R	B2							station distance		14003											ŽS-I	
		*4,977	12+382	MATEJEVAC	1	S	R	B2			494	2 и 3	494	2 и 3	station distance	9	14001		S	T	P	250	0,0	12	0	13	-	ŽS-I	286,6
		8,263	20+645	GORNJA VREŽINA	3	S	R	B2							station distance		14002											ŽS-I	
		6,808	27+453	JASENOVIK	3	S	R	B2							station distance		14004											ŽS-I	
		2,804	30+257	GRAMADA	2	S	R	B2			475	3	470	3	station distance	9	14005		S	U	P	240	2,0	11	0	13	-	ŽS-I	443
15.12.		2,343	32+600	HADŽIĆEVO	3	S	R	B2							station distance		14006											ŽS-I	
1922.		7,418	40+018	SVRLJIG	1	S	R	B2	30 (40)		497	1 и 2	497	1 и 2	station distance	9	14007		S	P	P/F	250	0,0	5	11	5	13	ŽS-I	374,7
		5,992	46+010	NIŠEVAC	3	S	R	B2							station distance		14008											ŽS-I	
		3,322	49+332	PALILULA	2	S	R	B2			511	2 и 3	511	2 и 3	station distance	9	14009			U								ŽS-I	
		2,360	51+692	SVRLJIŠKI MILJKOVAC	3	S	R	B2							station distance		14010											ŽS-I	
		9,186	60+878	PODVIS	1	S	R	B2			628	2	583	2	station distance	6	14011		S	U	P	250	6,0	0	10	-	13	ŽS-I	245,7
		1,863	62+741	RGOŠTE	3	S	R	B2							station distance		14012											ŽS-I	
		5,624	68+365	KNJAŽEVAC	1	S	R	B2			617	2 и 3	617	2 и 3	station distance	1	14013		S	P	P/F	250	0,0	0	9	-	9	ŽS-I	216,2
		3,740	72+105	GORNJE ZUNIČE	3	S	R	B2							station distance		14014											ŽS-I	
		2,908	75+013	DONJE ZUNIČE	3	S	R	B2							station distance		14015											ŽS-I	
1914.		6,894	81+907	MINIĆEVO	1	S	R	B2	40 (50)		650	2 и 3	650	2 и 3	station distance	9	14016		S	U	P	400	0,0	3	6	3	6	ŽS-I	188,5
		2,552	84+459	SELAČKA REKA	3	S	R	B2							station distance		14017											ŽS-I	
		*3,831	88+206	MALI IZVOR	3	S	R	B2							station distance		14018											ŽS-I	
		7,868	96+074	VRATARNICA	8	S	R	B2							station distance	9	14019											ŽS-I	
		*7,052	103+046	GRLJAN	1	S	R	B2			656	2 и 3	656	2 и 3	station distance	6	14021		S	U	P/F	240	0,0	5	7	5	7	ŽS-I	148
		4,254	107+300	TIMOK	3	S	R	B2							station distance		14022											ŽS-I	
		4,306	111+606	ZAJEČAR	1	S	R	B2	40 (50)		828	1 и 2	828	1 и 2	station distance	4	14060		S	P	P/F	300	0,0	1	6	2	7	ŽS-I	128
		7,228	118+834	VRAŽOGRNAC	1	S	R	C3			819	2 и 3	819	2 и 3	station distance	9	14301		S	P	P	250	2,0	8	8	9	8	ŽS-I	116,1
		2,166	121+000	RASPUTNICA 2	6	S	R	C3							station distance	1												ŽS-I	
		0,900	121+900	RASPUTNICA 1	6	S	R	C3							station distance	1												ŽS-I	
		2,731	124+631	TRNAVAC	1	S	R	C3			549	2 и 3	549	2 и 3	station distance		14101			P	P	250	3,0	10	10	10	12	ŽS-I	115
		3,902	128+533	ČOKONJAR	3	S	R	C3							station distance	9	14102											ŽS-I	
		*2,871	131+387	SOKOLOVICA	3	S	R	C3							station distance	9	14103											ŽS-I	
		4,809	136+196	TABAKOVAC	1	S	R	C3			364	1 и 2	364	1 и 2	station distance	9	14104			U	P	250	1,0	1	8	2	9	ŽS-I	84,4
1914.		2,568	138+764	TABAKOVAČKA REKA	3	S	R	C3							station distance		14105											ŽS-I	
		6,892	145+656	BRUSNIK	1	S	R	C3			721	2 и 3	721	2 и 3	station distance	9	14106		S	P	P	250	0,0	0	4	-	6	ŽS-I	66,6
		2,804	148+460	TAMNIČ	3	S	R	C3							station distance		14107											ŽS-I	
		2,870	151+330	CRNOMASNICA	3	S	R	C3	60						station distance		14108											ŽS-I	
		2,136	153+466	RAJAC	10	S	R	C3			511	1 и 2	511	1 и 2	station distance	9	14109		S		P	250	1,0	0	3	-	4	ŽS-I	56,9
		3,362	156+828	ROGLJEVO	1	S	R	C3			547	2 и 3	547	2 и 3	station distance	9	14110		S	U	P	250	0,0	2	0	2	-	ŽS-I	56,7
		3,364	160+192	VELJKOVO	3	S	R	C3							station distance		14111											ŽS-I	
		3,416	163+608	MOKRANJA	3	S	R	C3							station distance		14112											ŽS-I	
		4,242	167+850	KOBIŠNICA	10	S	R	C3			329	2 и 3	329	2 и 3	station distance	9	14113		S		P	250		1	4	1	4	ŽS-I	39,1
		6,278	174+128	NEGOTIN	1	S	R	C3			583	2 и 3	583	2 и 3	station distance	5	14114		S	P	P/F	250	0,0	7	8	8	9	ŽS-I	40,3
		7,887	182+015	PRAHOVO	1	S	R	C3			613	2 и 3	613	2 и 3	station distance	9	14115		S	P	P/F	250	5,0	5	1	5	1	ŽS-I	55,4
		2,563	184+578	PRAHOVO PRISTANIŠTE	1	S	R	C3	45		429	1 и 2	429	1 и 2	station distance	3	14170		S	P	P/F	250		1	17	1	18	ŽS-I	
		0,501	185+079	KRAJ PRUGE		S	R	C3							station distance													ŽS-I	
220 (Rgotina) - Rasputnica 3 - Rasputnica 1 - (Trnavac)																													
			0+000	RASPUTNICA 3	6				40							6													
		0,439	0+439	RASPUTNICA 1	6	S	R	C3							station distance	6								0	3	-	5	ŽS-I	
221 (Barlovo) - Rasputnica 1 - Kuršumlija																													
			53+334	RASPUTNICA 1	6											6				U									
		2,560	55+894	KURŠUMLIJA	1	S	R	A	50		618	2	618	2	station distance	6	11113		S	T				8	0	9	-	ŽS-I	
		0,469	56+363	KRAJ PRUGE			R	A																				ŽS-I	
222 Kuršumlija - Kastrat																													
			0+000	KURŠUMLIJA	1				50		618	2	618	2		6	11113		S	T								ŽS-I	
		2,320	2+320	RASPUTNICA KASTRAT	6	S	R	A							station distance	6				U				2	10	3	12	ŽS-I	

Date of handover to public transport								Maximum permitted speed		Direction A→B		Direction B→A																	
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
																								Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
223 Doljevac - Kastrat - Merdare - Kosovo Polje																													
			0+247	DOLJEVAC	1						600	4	601	3		1	11001		S	P	P/F		0,71						194
		3,053	3+300	ŠAJINOVAC	3	S	R	B1							station distance		11101					325		8	7			ŽS-I	
		1,500	4+800	TOPLIČKI BADNJEVAC	3	S	R	B1							station distance		11121					600		3	0			ŽS-I	
		1,797	6+597	JASENICA	3	S	R	B1							station distance		11102					300		0	0			ŽS-I	
		3,499	10+096	ŽITORAĐA	1	S	R	B1			564	1 и 2	564	1 и 2	station distance	9	11103		S	U	P/F	600	5,8	6	0	8	8	ŽS-I	212,3
28.02. 1925.		0,904	11+000	ŽITORAĐA CENTAR	3	S	R	B1		40					station distance		11129					600		5	0			ŽS-I	
		1,700	12+700	REČICA	3	S	R	B1							station distance		11104					300		4	0			ŽS-I	
		2,000	14+700	LUKOMIR	3	S	R	B1							station distance		11119					450		8	1			ŽS-I	
		1,525	16+225	PODINA	3	S	R	B1							station distance		11105					300		5	5			ŽS-I	
		2,575	18+800	BABIN POTOK	3	S	R	B1							station distance		11124					1000		8	0			ŽS-I	
		3,527	22+327	PROKUPLJE	1	S	R	B1			661	3	661	3	station distance	4	11106		S	P	P/F	300	9,1	8	0	8	3	ŽS-I	241
04.12. 1929.		2,687	25+014	GORNJA DRAGANJA	3	S	R	A							station distance		11130					300		9	0			ŽS-I	
		6,720	31+734	TOPLIČKA MALA PLANA	8	S	R	A			585	2 и 3	585	2 и 3	station distance	11	11107		S	U	P/F	1000	0,0	6	0			ŽS-I	255
		2,766	34+500	BRESNIČIĆI	3	S	R	A							station distance		11108					300		7	0			ŽS-I	
04.12. 1929.		3,344	37+844	BELOLJIN	1	S	R	A			480	2 и 3	480	2 и 3	station distance	9	11109		S	U	P/F	350	6,0	6	0	9	-	ŽS-I	248,8
		2,856	40+700	TOPLICA MILAN	3	S	R	A							station distance		11128					0		5	0			ŽS-I	
		2,018	42+718	PLOČNIK	8	S	R	A			583	3	583	3	station distance	11	11110		S	U	P/F	350	2,0	7	0			ŽS-I	290
		3,928	46+646	BARLOVO	8	S	R	A			410	2	410	2	station distance	9	11111			U	P	500	2,0	5	0			ŽS-I	313
06.06. 1930.		2,654	49+300	NOVOSELSKE LIVADE	3	S	R	A							station distance		11126					300		5	0			ŽS-I	
		2,700	52+000	PEPELJEVAC	3	S	R	A							station distance		11112					300		6	0			ŽS-I	
		1,334	53+334	RASPUTNICA 1	6	S	R	A							station distance	6				U		250		6	0			ŽS-I	
		1,521	54+855	RASPUTNICA KASTRAT	6	S	R	A		50					station distance	6				U		300		5	0	7	-	ŽS-I	
		4,245	59+100	VISOKA	3	S	R	A							station distance		11122					300		7	0			ŽS-I	
		1,700	60+800	LJUŠA	3	S	R	A							station distance		11125					300		7	0			ŽS-I	
		2,010	62+810	RUDARE	10	S	R	A			557	2	557	2	station distance	9	11115		S	U	P	300	1,0	4	0			ŽS-I	381
		4,515	67+325	DEŠIŠKA	3	S	R	A							station distance		11127					300		8	0			ŽS-I	
15.05. 1949.		2,555	69+880	KOSANIČKA RAČA	1	S	R	A			565	2 и 3	565	2 и 3	station distance	9	11116		S	U	P	300	1,4	8	0	10	-	ŽS-I	430
		3,820	73+700	KOSANICA	3	S	R	A							station distance		11123					300		14	0			ŽS-I	
		2,195	75+895	KOSANČIC IVAN	8	S	R	A			493	2	493	2	station distance	9	11117			U	P	400	1,7	15	0	15	-	ŽS-I	500
		3,105	79+000	VASILJEVAC	3	S	R	A							station distance		11120					300		16	0			ŽS-I	
		4,057	83+057	MERDARE	3	S	R	A							station distance		11118					300		14	0	15	-	ŽS-I	
		1,343	84+400	ADMINISTRATIVNA LINIJA	15	S	R	A							station distance							300		15	0			ŽS-I	
224 Kosovo Polje - Metohija - Peć *)																													
225 Kosovo Polje freight st.-Junc. „1"-(Drenica) *)																													
LOCAL LINES																													
301 Subotica-Subotica Factory																													
08.01. 1885.			0+000	SUBOTICA	1																								
		3,708	3+708	SUBOTICA FABRIKA	1	S	L	C3	- *)		RAILWAY OUT OF SERVICE																		
		2,431	6+139	KRAJ PRUGE		S	L	C3																					
*) up to km 002+330 the maximum allowed speed is 20 km/h																													
302 Subotica-Subotica Hospital																													
			1+255	SUBOTICA	1						594	2 и 3	594	2 и 3		4	23450		S/E	P									113,2
		2,345	3+600	SUBOTICA BOLNICA	1	S	L	A'	-		327	1 и 2	327	1 и 2	station distance	11	24313			U		300	2,7	2	5	2	5	JŽK-I	109,2
		0,400	4+000	KRAJ PRUGE		S	L	A'							station distance													JŽK-I	110,3
303 Novi Sad (km 1+042) - Novi Sad stokehold																													
			1+121	BLOK 3 NOVI SAD	14											1														
		2,297	3+418	NOVI SAD LOŽIONICA	1	S	L	B2	20		416	15 и 16	416	15 и 16	station distance	4				P								ŽS-I	78,8
		0,494	3+912	KRAJ PRUGE		S	L	B2							station distance													ŽS-I	
304 (Podbara)-Junc. „3"-Junc. „2"-(Kac)																													
			4+413	PODBARA	1				40		445	1 и 2	445	1 и 2		11														75,9
		2,169	6+582	RASPUTNICA 3	6	S	L	C3							station distance	11								4	0	5	-	ŽS-I	
		1,077	7+659	RASPUTNICA 2	6	S	L	C3	-		RAILWAY OUT OF SERVICE																		
305 (Rimski Sancevi)-Junction „1"-Junction „3"-(Podbara)																													
			0+000	RASPUTNICA 1	6				40							8														
01.03. 1969.		0,910	0+910	RASPUTNICA 3	6	S	L	C3							station distance	8								0	3	-	3	ŽS-I	

Date of handover to public transport									Maximum permitted speed		Direction A→B		Direction B→A																	
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Ruling gradient		Ruling resistance of the line [daN]		Loading gauge	Altitude
																								Incline	Slope	←	→		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
306 Rimski Sancevi-Žabalj																													
			10+270	RIMSKI ŠANČEVI	1				40		558	2 и 3	558	2 и 3		9	23001		S	T	P/F		2,0							83,1
02.07. 1899.		6,496	16+766	BAČKI JARAK	8	S	L	A							station distance	11	23002					450						ŽS-I	
		2,968	19+734	TEMERIN	1	S	L	A	20		363	1 и 2	363	1 и 2	station distance	11	23003		S	U	P/F	300	3,0	4	0	5	-	ŽS-I	79,5
		7,621	27+355	GOSPOĐINCI	1	S	L	A	40		293	2 и 3	293	2 и 3	station distance	11	23004		S	U	P/F	300	0,0	3	0	4	-	ŽS-I	81,5
		6,661	34+016	ŽABALJ	1	S	L	A			278	2 и 3	278	2 и 3	station distance	3	23005		S	U	P/F	600	0,0	1	0	1	-	ŽS-I	81
307 Vrbas-Sombor																													
			37+137	VRBAS	1						943	3 и 4	938	3 и 4		1	23306		S	P	P/F		0,0							84,2
		10,516	47+653	KULA	1	S	L	C2	40 (60)		464	2 и 3	464	2 и 3	station distance	8	24202		S	T	P/F		0,0	2	2	2	2	ŽS-I	84,9
		7,318	54+971	CRVENKA	1	S	L	C2			492	2 и 3	452	2 и 3	station distance	8	24203		S	T	P/F	500	0,4	2	2	2	2	ŽS-I	84,5
21.12. 1906.		7,705	62+676	SIVAC	1	S	L	A			738	2 и 3	738	2 и 3	station distance	2	24204		S	U	P/F	500	0,5	8	6	8	6	ŽS-I	85
		3,024	65+700	NOVI SIVAC	3	S	L	A							station distance		24205				P	500						ŽS-I	87,7
		9,740	75+440	KLJAJIĆEVO	1	S	L	A	20 (40)		625	2 и 3	625	2 и 3	station distance	2	24206			U	P/F	500	1,8	4	3	4	3	ŽS-I	89,2
		4,255	79+695	ČONOPLJA	10	S	L	A			424	2	424	2	station distance	11	24207		S	U	P	450						ŽS-I	89,5
		10,015	89+710	SOMBOR	1	S	L	A			403	2 и 3	403	2 и 3	station distance	4	25550	Yes	S/E	P	P/F	700	0,3	1	1	1	1	ŽS-I	88,2
308 (Brasina)-Junc. Donja Borina-Zvornik Grad																													
			68+685	RASPUTNICA DONJA BORINA	6											3				P	P		0,0							137,7
15.05. 1950.		1,915	70+600	RADALJ	3	S	L	A	50						station distance		16316				P	700	2,0					ŽS-I	140,1
		2,854	73+454	ZVORNIK	1	S	L	A			398	2 и 3	398	2 и 3	station distance	4	16317			T	P/F	700	0,0	4	2	5	3	ŽS-I	147,7
		1,646	75+100	ZVORNIK GRAD	1	S	L	A	10						station distance	4	16317				P/F	700	0,0	4	2	5	3	ŽS-I	147,7
309 Pancevo Varos-Pancevo Vojlovica																													
			0+568	PANČEVO VAROŠ	1						506	2 и 3	506	2 и 3			21001		S	P	P/F		0,5							77
11.11. 1935.		0,732	1+300	PANČEVO STRELIŠTE	3	S	L	D2	50						station distance		16014				P	300	0,2					ŽS-I	77
		1,614	2+914	PANČEVO VOJLOVICA	1	S	L	D2			174	3 и 4	174	3 и 4	station distance	4	21101			T	P	300	2,0	1	3	2	5	ŽS-I	77
		0,561	3+475	KRAJ PRUGE		S	L	D2							station distance							250	8,0					ŽS-I	77
310 Junction track at the station Senta: (Coka)-Junction points 22-Junction points 23-(Orom)																													
			38+407	ODV. SKR. 22 SENTA	14				20 (30)						station distance	1							0,0							82,5
		0,757	39+164	ODV. SKR. 23 SENTA	14	S	L	A							station distance	1						300		10	10	10	13	ŽS-I	83,1
311 Markovac-Svilajnac-Despotovac- (Resavica)																													
01.09. 1951.			0+500	MARKOVAC	1				20		855	4	812	5		1	13404		S	P	P/F								
		9,432	9+932	SVILAJNAC	1	S	L	B2			667	3	667	3	station distance	6	13901		S/E	P	P/F	338	6,0	3	3	4	4	ŽS-I	101,7
		7,568	17+500	SEDLARE	3	S	L	A							station distance		13902					500						ŽS-I	
29.11. 1951.		5,700	23+200	RESAVSKO JASENOVO	3	S	L	A							station distance		13903					500						ŽS-I	
		4,270	27+470	RESAVA	1	S	L	A												U	P/F	600	0,0	8	0	8	-	ŽS-I	167
		7,350	34+820	DESPOTOVAC	1	S	L	A			790	3	790	3	station distance	6	13905		S	T	P/F	600	1,0	7	0	7	-	ŽS-I	193,4
		1,580	36+400	VOJNIK	3	S	L	A	20						station distance		13906					400						ŽS-I	
1967.		6,164	42+564	DVORIŠTE	1	S	L	A			764	2	764	2	station distance	6	13907		S	U	P/F	250		10	0	11	-	ŽS-I	245,9
		3,236	45+800	DUTOVO	3	S	L	A							station distance		13908					400						ŽS-I	
		7,560	53+360	RESAVICA	1	S	L	A			506	4	506	4	station distance	6	13909		S	T	P/F	230	0,0	16	0	18	-	ŽS-I	271,5
		0,390	53+750	KRAJ PRUGE		S	L	A							station distance							200						ŽS-I	
312 Metohija-Prizren *)																													
313 Vrsac - Bela Crkva																													
			87+546	VRŠAC	1						643	4 и 5	643	4 и 5		8	21009	Yes	S/E	P	P/F	280	2,5						101
20.07. 1858.		1+118	88+664	RASPUTNICA B JASENOVO	6	J	L	A							station distance							300	5,0					ŽS-I	101
		8+599	97+263	POTPORANJ	8	J	L	A							station distance		21301						2,15	4	3	6	3	ŽS-I	84
		5+436	102+699	STRAŽA	3	J	L	A							station distance		21302					948	0,0					ŽS-I	79
		4+816	107+515	JASENOVO	1	J	L	A	40		753	1 и 2	753	1 и 2	station distance	10	21303			U		300	2,48	5	3	6	4	ŽS-I	73
		7+134	114+649	CRVENA CRKVA	3	J	L	A							station distance		21304					494	3,57					ŽS-I	72
01.11. 1856.		4+418	119+067	BELA CRKVA	1	J	L	A			681	2 и 3	681	2 и 3	station distance	10	21305		S	U	F	300	2,0	5	4	6	4	ŽS-I	89,5
		2+433	121+500	KRAJ PRUGE		J	L	A							station distance							300	1,5					ŽS-I	89,5
MANIPULATIVE LINES																													
401 Vrsac-Vrsac Vasariste																													
			0+558	VRŠAC	1				50		643	4 и 5	643	4 и 5		8	21009	Yes	S/E	P	P/F		2,5					ŽS-I	101
		2,857	3+415	VRŠAC VAŠARIŠTE	2	S	man	C2																					

Date of handover to public transport										Maximum permitted speed		Direction A→B		Direction B→A										Ruling gradient		Ruling resistance of the line [daN]			
Right track	Left track	Distance in km	Chainage	Name of service point	Type of service point	Single/double-track line	Class of railway line	Railway line category	Right track	Left track	Maximum permitted train length	Tracks for acceptance of the longest trains	Maximum permitted train length	Tracks for acceptance of the longest trains	Manner of traffic regulation	Manner of securing the service point	Service point code - UIC	Freight car scales	Side-/end-loading platform	Occupancy of service point	Open for passenger /freighF FransporF	Minimum curve radius	Gradient of the station [‰]	Incline	Slope	↓	↑	Loading gauge	Altitude
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
402 Kikinda-MSK(km 6+413)																													
			0+000	KIKINDA	1				20		842	2 и 3	842	2 и 3			22850		S	P	P/F								80
		6,285	6+285	MSK (INDUSTRIJSKI KOLOSEK)		S	man	A							station distance	11						800		0	0	-	-	ŽS-I	
403 Bogojevo-Dunavska Obala RAILWAY OUT OF SERVICE																													
404 Paracin-Stari Popovac RAILWAY OUT OF SERVICE																													
405 Surcin-Jakovo-Becmen																													
			12+100	SURČIN	1						733	3	733	3		1	16203		S	P	F								
		3,400	15+500	JAKOVO-BEČMEN	1	S	man	A	20						station distance	11	16205							0	8	-	9	ŽS-I	
		1,000	16+500	KRAJ PRUGE		S	man	A							station distance													ŽS-I	
406 Sid-Sr.Raca Nova-St.bord.-(Bijeljina)																													
			0+440	ŠID	1						598	5 и 6	598	5 и 6		1	16516	Yes		P	P/F								
22.10. 1912.		3,789	4+229	ADAŠEVCI	3	S	man	A							station distance	9	16701		S			290		0	4	-	5	ŽS-I	93,8
		8,146	12+375	MOROVIĆ	1	S	man	A			415	2 и 3	415	2 и 3	station distance	9	16702			U		500		1	1	1	1	ŽS-I	81,4
		7,269	19+644	VIŠNJIČEVO	1	S	man	A	20		473	2 и 3	473	2 и 3	station distance	9	16703			U		285		3	6	7	7	ŽS-I	81,4
		3,484	23+128	RASPUTNICA RAČA	6	S	man	A							station distance	9						500						ŽS-I	82,1
10.07.		1,059	24+187	SREMSKA RAČA NOVA	1	S	man	A			591	1 и 2	591	1 и 2	station distance	9	16705		S	U		700		1	1	1	1	ŽS-I	82,1
1950.		1,865	26+052	DRŽAVNA GRANICA	15	S	man	A							station distance							2000						ŽS-I	
407 Ovca-Padinska Skela RAILWAY OUT OF SERVICE																													
408 Sonta - Apatin Fabrika																													
			20+863	RASPUTNICA SONTA	6																								
		6,192	27+055	SVILOJEVO	3	J	ман																						
		6,505	33+560	APATIN FABRIKA	1	J	ман																						

*)The lines on the territory of Kosovo and Metohija are temporarily under the supervision of UNMIK, according to the Temporary Agreement between ŽTP Belgrade and UNMIK railways, dated May 31, 2002 (records No 300/2002 - 153 dated May 31, 2002).

Col.6 Type of service point
1. Station
2. Passing point
3. Stop
4. Open line junction and train recording point
5. Train recording point and stop
6. Open-line junction
7. Open-line junction and stop
8. Loading point and stop
9. Speed change
10. Dispatching point and stop
11. Traffic and transport dispatching point
12. Loading point
13. Dispatching point
14. Junction point
15. state border
16. Train recording point

Column 10 and 11- datum referred to in brackets indicate maximum permitted speed for DMU

Col.17- Manner of securing the service point
1. Electro-relay signalling-safety devices for comprehensive centralisation od turnouts, signals and routes. There is technical dependance between turnouts and signals.
2.Electro-relay signalling-safety devices for partial centralisation od turnouts, signals and routes. There is technical dependance between turnouts and signals.
3.Electro-relay signalling-safety devices - key dependance between turnouts, signals and routes. There is technical dependance between turnouts and signals.
4.Electro-relay signalling-safety devices with dependance between light signals. There is no dependance between turnouts and signals.
5. Electromechanical block device. There is technical dependance between turnouts and semaphore signals.
6.Electromechanical interlocking block device.There is technical dependance between turnouts via keys and semaphore signals.
7. Mechanical signal point machine.There is technical dependance between turnouts and semaphore signals.
8. Electromechanical permissive block device.There is no technical dependance between turnouts and semaphore signals.
9. Ordinary signal point for semaphore signals.
10. Electrical diffusers. There is no technical dependance between turnouts and diffusers.
11. Access signals. Turnouts are secured by locking devices without signal.

Col.20- S for the service point with side-loading platform, E for the service point with end-loading platform and S/E for the service point with side and end-loading platform

Col.21 P for permanently manned, U for permanently unmanned and T for temporarily manned service points

Col.22- P for service points open for passenger, F for freight and P/F for service points open for mixed (passenger and freight) transport

Appendix 7. Overview of primary train delay causes

	Primary train delay causes (IŽS)
No	**Name**
1.	Waiting for dispatch
2.	Waiting at the automatic block signal or protective signal
3.	Dispatcher's order
4.	Delay caused by the fault of an infrastructure manager's employee
5.	Entrance/exit to a turn
6.	Traffic on the left track
7.	Speed decrease requested by the infrastructure manager
8.	Delivery of order to the train driver
9.	Unplanned line closure by the infrastructure manager
10.	Level-crossing failure
11.	Failure on the overhead contact line
12.	Extended stay of railway vehicles
13.	Delay caused by restricted-speed running
14.	Rail crack
15.	Deformed track
17.	Technically defective switch
18.	Collision, bumping, derailment, avoided collision of railway vehicles
19.	Failure of signalling-interlocking and telecommunication devices
20.	Extension of the foreseen closure (more than 30 min)

	Primary train delay causes (railway undertaking)
No	**Name**
1.	Increased passenger frequency
2.	Waiting for railway undertaking staff
3.	Waiting for locomotive or multiple-unit set
4.	Delay caused by the fault of an railway undertaking's employee
5.	Cleaning of wagon or multiple-unit set requested by the railway undertaking
6.	Brake test
7.	Failure of wagon, traction unit or multiple-unit set
8.	Wagon repair without de-coupling
9.	Decreased train speed due to failure of wagon/multiple-unit set/traction unit
10.	Change of composition requested by the railway undertaking
11.	Intervention of police officers, requested by train staff
13.	Waiting for shunting locomotive

15.	Shift change of railway undertaking's employees
16.	Waiting for train forming
17.	Weighing
18.	Special consignment transport
20.	Stopping for cooling of brake shoes
21.	Delay caused by turnover of the multiple-unit set/traction unit of the same composition
22.	Accident on industrial siding of the transport client
23.	Breakdown of brake system air duct
24.	Train passing by the signal which indicates that the further running is forbidden
25.	Unallowed train passing through the service point where it had to stop

	Primary train delay causes (external influences)
No	**Name**
1.	State needs
2.	Train accepted with delay by another railway management
3.	Train rejected by another railway management
4.	Waiting for train staff of another railway management
5.	Train incorrectly formed by another railway management
6.	Taking a defective wagon of another railway management out of service
7.	Taking an incorrectly sent wagon of another railway management out of service
8.	Another railway management's employee being late
9.	Natural disasters (landslide, flood, current, snow-drift, avalanche, fire, fog...)
10.	Falling out of train
11.	Jumping in or out of train
12.	Holding of the train by police officers
13.	Holding of the train by custom-inspection officers
14.	Emergency brake abuse
15.	Emergency service intervention
16.	Level-crossing device breaking
17.	Train rocking
18.	Theft of equipment or devices owned by the infrastructure

	Secondary train delay causes
No	**Name**
1.	Waiting for crossing
2.	Waiting for overtaking of a train
3.	Waiting for annunciation
4.	Waiting with the train which is in delay
5.	Extended stay in the station due to waiting for regular passing
6.	Waiting for locomotive or multiple-unit set from turnover
7.	Waiting for railway undertaking's staff from turnover
8.	Delay caused by failure of another train's traction unit
9.	Waiting for train connection (passenger or goods) of another railway management
10.	Abuse of emergency brake on another train
11.	Announced strike of IŽS or RU
12.	Another train accident

Appendix 8 Overview of platforms and arranged surfaces in service points

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
MAIN LINES						
101. Belgrade - Stara Pazova - Šid - state border - (Tovarnik)						
NOVI BEOGRAD	next to 1st track	4+798,8-5+273,5	platform	474,70	0,35	5,60
	between 1st and 2nd track*	4+798,8-5+273,5	platform	474,70	0,35	4,00
	between 2nd and 3rd track	4+798,8-5+273,5	platform	474,70	0,35	10,60
	between 3rd and 4th track*	4+798,8-5+273,5	platform	474,70	0,35	4,00
	between 4th and 5th track	4+798,8-5+273,5	platform	474,70	0,35	10,60
	next to 5th track	4+798,8-5+273,5	platform	474,70	0,35	5,60
Tošin bunar	next to right track	7+067,5-7+175	platform	107,50	0,35	3,13
	next to left track	7+060-7+170	platform	110,00	0,35	3,13
ZEMUN	next to 1st track	9+866,5-10+345	platform	478,50	0,40	6,00
	between 1st and 2nd track	9+952-10+345	platform	393,00	0,85	6,00
	between 3rd and 4th track	9+952-10+345	platform	393,00	0,85	6,00
	between 6th and 7th track	9+963,5-10+268	platform	304,00	0,85	6,00
	between 8th and 9th track	9+890-10+268	platform	378,00	0,85	6,00
ZEMUNSKO POLJE	between 1st and 2nd track	13+779-13+998	platform	119,00	0,40	1,60
	between 2nd and 3rd track	13+797-13+998	platform	201,00	0,40	1,60
BATAJNICA	between 1st and 2nd track	20+510-20+768	platform	258,00	0,35	1,90
	between 2nd and 3rd track	20+543-20+722,5	platform	179,50	0,35	1,90
	between 3rd and 4th track	20+598-20+722,5	platform	124,50	0,35	1,60
	between 4th and 5th track	20+598-20+772,5	platform	124,50	0,35	1,60
NOVA PAZOVA	next to 1st track	27+014,69-27+124,69	platform	110,00	0,35	3,00
	between 2nd and 3rd track	27+030-27+280	platform	250,00	0,35	1,60
	between 4th and 5th track	27+030-27+280	platform	250,00	0,55	7,91
STARA PAZOVA	next to 1st track	35+003-35+223	platform	220,00	0,55	3,00
	between 2nd and 3rd track	35+015-35+265	platform	250,00	0,55	3,76
	between 5th and 6th track	35+015-35+265	platform	250,00	0,55	6,16
GOLUBINCI	between 2nd and 3rd track	45+767-45+914	platform	147,00	0,35	1,60
	between 3rd and 4th track	45+767-45+914	platform	147,00	0,35	1,60
PUTINCI	between 2nd and 3rd track	53+611,93-53+691,91	platform	79,98	0,35	1,60
	between 3rd and 4th track	53+682-53+747	platform	79,98	0,35	1,60
Kraljevci	next to right track	59+982-60+062	platform	80,00	0,55	4,00
	next to left track	59+985-60+065	platform	80,00	0,55	4,00
RUMA	between 2nd and 3rd track	64+733-64+973	platform	240,00	0,35	1,60
	between 3rd and 4th track	64+733-64+973	platform	240,00	0,35	1,60
	between 4th and 5th track	64+821-64+937	platform	116,00	0,35	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
VOGANJ	between 2nd and 3rd track	73+368-73+518	Arranged surface	150,00	0,00	2,00
	between 3rd and 4th track	73+368-73+518	Arranged surface	150,00	0,00	2,00
SREMSKA MITROVICA	between 2nd and 3rd track	81+563-81+763	platform	200,00	0,35	1,60
	between 3rd and 4th track	81+563-81+763	platform	200,00	0,35	1,60
Laćarak	Between right and left track	86+109-86+159	platform	50,00	0,35	1,60
MARTINCI	between 2nd and 3rd track	94+059-94+159	platform	100,00	0,35	1,60
	between 3rd and 4th track	94+131-94+141	platform	10,00	0,35	1,60
Kuzmin	NONE					
KUKUJEVCI-ERDEVIK	between 2nd and 3rd track	104+935-105+985	platform	50,00	0,45	1,60
	between 3rd and 4th track	104+990-105+040	platform	50,00	0,45	1,60
Bačinci	next to right track	109+070-109+097	platform	27,00	0,35	1,60
Gibarac	NONE					
ŠID	between 1st and 2nd track	116+300-116+490	Arranged surface	190,00	0,10	1,60
	between 2nd and 3rd track	116+300-116+665	platform	365,00	0,45	1,60
	between 3rd and 4th track	116+300-116+677	platform	377,00	0,45	1,60
102. Belgrade - Mladenovac - Lapovo - Niš - Preševo - state border - (Tabanovce)						
TOPČIDER	next to 1st track (left)	4+978-5+218,50	platform	240,50	0,30	1,30
	next to 3rd track (left)	4+960-5+234	platform	274,00	0,45	1,60
	between 3rd and 4th track	4+950-253,70	platform	303,7,00	0,45	1,60
RAKOVICA	next to 2nd track on the right	8+460-8+786	platform	326,00	0,55	6,10
	between 3rd and 4th track	8+637-8+868	platform	231,00	0,55	6,10
	between 5th and 6th track	8+545-8+865	platform	320,00	0,55	6,20
Kneževac	next to right track	10+645-10+758	platform	113,00	0,55	1,55
	next to left track	10+645-10+758	platform	113,00	0,55	1,55
Kijevo	next to right track	11+626-11+731	platform	105,00	0,55	1,55
	next to left track	11+713-11+819	platform	106,00	0,55	1,55
RESNIK	next to 1st track	14+080-14+240	Arranged surface	160,00	0,55	4,00
	between 1st and 2nd track	14+080-14+240	platform	160,00	0,35	1,55
	between 3rd and 4th track	13+943-14+238	platform	295,00	0,55	6,20
PINOSAVA	NONE					
Ripanj Kolonija	next to the line on the left	20+080-20+180	platform	100,00	0,35	1,00
RIPANJ	between 1st and 2nd track	21+324,00-21+356,40	platform	32,40	0,35	1,00
	between 2nd and 3rd track	21+265,70-21+361,20	platform	95,50	0,35	1,55
	between 3rd and 4th track	21+265,70-21+361,20	platform	95,50	0,35	1,55
KLENJE	between 1st and 2nd track	24+743,40-24+804,00	platform	60,60	0,35	1,00
	between 2nd and 3rd track	24+743,40-24+804,00	platform	60,60	0,35	1,00
RIPANJ TUNNEL	between 1st and 2nd track	29+565-29+615	platform	50,00	0,40	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
RALJA	between 1st and 2nd track	34+695-34+774	platform	79,00	0,40	1,60
	between 2nd and 3rd track	34+695-34+774	platform	79,00	0,40	1,60
SOPOT KOSMAJSKI	between 2nd and 3rd track	41+454-41+544	platform	90,00	0,40	1,60
VLAŠKO POLJE	between 3rd and 4th track	47+684-47+784	platform	100,00	0,40	1,60
MLADENOVAC	between 2nd and 3rd track	53+052-53+189	platform	187,00	0,40	1,60
KOVAČEVAC	between 1st and 2nd track	59+954-60+109	platform	155,00	0,40	1,60
	between 2nd and 3rd track	59+907-60+056	platform	149,00	0,40	1,60
Rabrovac	next to the line on the left	62+909-63+045	platform	136,00	0,40	1,60
KUSADAK	between 1st and 2nd track	67+497-67+650	platform	153,00	0,40	1,60
	between 2nd and 3rd track	67+453-67+600	platform	147,00	0,40	1,60
Ratare	next to the line on the left	70+821-70+931	platform	110,00	0,40	1,60
GLIBOVAC	between 1st and 2nd track	73+941-74+041	platform	100,00	0,50	1,50
	between 2nd and 3rd track	73+978-74+078	platform	100,00	0,50	1,50
PALANKA	between 1st and 2nd track	78+476-78+586	platform	110,00	0,50	1,50
	between 2nd and 3rd track	78+476-78+586	platform	110,00	0,50	1,50
	between 3rd and 4th track	78+476-78+586	platform	110,00	0,50	1,50
MALA PLANA	between 2nd and 3rd track	85+505-85+605	platform	100,00	0,50	1,50
VELIKA PLANA	between 1st and 2nd track	90+350-90+400	platform	50,00	0,40	1,60
	between 2nd and 3rd track	90+289-90+430	platform	141,00	0,40	1,60
	between 3rd and 4th track	90+370-90+510	platform	140,00	0,40	1,60
	between 4th and 5th track	90+360-90+464	platform	104,00	0,40	1,60
Staro Selo	next to right track	94+008-94+055	platform	47,00	0,40	1,60
	next to left track	94+008-94+055	platform	47,00	0,40	1,60
Novo Selo	next to right track	97+660-97+706	platform	46,00	0,40	1,60
	next to left track	97+660-97+706	platform	46,00	0,40	1,60
MARKOVAC	between 2nd and 3rd track	100+400-100+450	platform	50,00	0,40	1,60
	between 3rd and 4th track	100+350-100+452	platform	102,00	0,40	1,60
	between 4th and 5th track	100+350-100+448	platform	98,00	0,40	1,60
Lapovo Varoš	next to right track	106+250-106+310	platform	60,00	0,35	1,60
	next to left track	106+250-106+310	platform	60,00	0,35	1,60
Lapovo marshalling yard	next to right track	108+350-108+400	platform	50,00	0,35	1,60
	next to left track	108+340-108+390	platform	50,00	0,35	1,60
LAPOVO	between 2nd and 3rd track	109+560-109+680	platform	120,00	0,35	1,60
	between 3rd and 4th track	109+560-109+680	platform	120,00	0,35	1,60
	next to 1st track	109+460-109+510	platform	50,00	0,35	1,60
Brzan	next to right track	114+140-114+190	platform	50,00	0,35	1,60
	next to left track	114+140-112+190	platform	50,00	0,35	1,60
Miloševo	next to right track	116+940-119+990	platform	50,00	0,35	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
	next to left track	119+940-119+990	platform	50,00	0,35	1,60
BAGRDAN	between 2nd and 3rd track	120+229-120+330	platform	101,00	0,35	1,60
	between 3rd and 4th track	120+268-120+390	platform	122,00	0,35	1,60
Lanište	next to right track	126+920-126+970	platform	50,00	0,35	1,60
	next to left track	126+920-126+970	platform	50,00	0,35	1,60
Bukovče	next to right track	131+329-131+379	platform	50,00	0,35	1,60
	next to left track	131+329-131+379	platform	50,00	0,35	1,60
JAGODINA	between 2nd and 3rd track	135+122-135+364	platform	242,00	0,20	1,90
	between 3rd and 4th track	135+182-135+416	platform	234,00	0,20	1,90
	between 1st and 2nd track	135+192-135+342	platform	150,00	0,20	1,90
Gilje	next to right track	140+550-140+670	platform	120,00	0,35	3,00
	next to left track	140+550-140+670	platform	120,00	0,35	3,00
ĆUPRIJA	between 1st and 2nd track	0+516-0+641	platform	125,00	0,20	1,60
	between 2nd and 3rd track	0+516-0+641	platform	115,00	0,30	1,60
PARAĆIN	between 3rd and 4th track	155+081-155+184	platform	103,00	0,36	1,60
	between 4th and 5th track	155+065-155+166	platform	101,00	0,20	1,90
Sikirica - Ratari	next to right track	163+560-163+610	platform	50,00	0,35	1,60
	next to left track	163+565-163+615	platform	50,00	0,35	1,60
Drenovac	next to right track	166+605-166+655	platform	50,00	0,35	1,60
	next to left track	166+605-166+655	platform	50,00	0,35	1,60
ĆIĆEVAC	between 2nd and 3rd track	171+550-171+640	platform	90,00	0,35	1,60
	between 3rd and 4th track	171+550-171+640	platform	90,00	0,35	1,60
Lučina	next to right track	173+625-173+674	platform	49,00	0,35	1,60
	next to left track	173+625-173+674	platform	49,00	0,35	1,60
STALAĆ	between 2nd and 3rd track	176+222-176+425	platform	203,00	0,28	6,40
	between 4th and 5th track	176+222-176+425	platform	203,00	0,28	1,60
	between 6th and 7th track	176+270-176+378	platform	108,00	0,28	5,30
STEVANAC	NONE					
BRALJINA	between 2nd and 3rd track	186+443-186+563	platform	120,00	0,35	1,60
	between 3rd and 4th track	186+443-186+563	platform	120,00	0,35	1,60
Cerovo Ražanj	next to the line on the left	190+320-190+370	platform	50,00	0,35	1,60
STARO TRUBAREVO	between 1st and 2nd track	192+150-192+220	platform	70,00	0,35	1,60
ĐUNIS	between 2nd and 3rd track	194+882-195+003	platform	121,00	0,35	1,60
	between 3rd and 4th track	194+882-195+003	platform	121,00	0,35	1,60
Vitkovac	next to right track	199+160-199+210	platform	50,00	0,35	1,60
	next to left track	199+160-199+210	platform	50,00	0,35	1,60
Donji Ljubeš	next to right track	201+175-201+225	platform	50,00	0,35	1,60
	next to left track	201+175-201+225	platform	50,00	0,35	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Gornji Ljubeš	next to right track	203+560-203+610	platform	50,00	0,35	1,60
	next to left track	203+560-203+610	platform	50,00	0,35	1,60
KORMAN	between 2nd and 3rd track	205+565-205+675	platform	110,00	0,35	1,60
	between 3rd and 4th track	205+545-205+665	platform	120,00	0,35	1,60
Trnjani	next to right track	208+087-208+186	platform	99,00	0,35	1,60
	next to left track	208+087-208+186	platform	99,00	0,35	1,60
ADROVAC	between 1st and 2nd track	210+432-210+521	platform	89,00	0,35	1,60
	between 2nd and 3rd track	210+440-210+562	platform	122,00	0,35	1,60
	next to 1st track	210+445-210+530	platform	85,00	0,28	5,00
ALEKSINAC	between 2nd and 3rd track	214+067-214+277	platform	210,00	0,35	1,60
	between 3rd and 4th track	214+067-214+277	platform	210,00	0,35	1,60
Nozrina	next to right track	217+400-217+500	platform	100,00	0,35	1,60
	next to left track	217+400-217+500	platform	100,00	0,35	1,60
Lužane	next to right track	218+705-218+790	platform	85,00	0,35	1,60
	next to left track	218+708-218+785	platform	77,00	0,35	1,60
Tešica	next to right track	222+062-222+164	platform	102,00	0,35	1,60
	next to left track	222+062-222+164	platform	102,00	0,35	1,60
GREJAČ	between 2nd and 3rd track	224+656-224+758	platform	102,00	0,35	1,60
	between 3rd and 4th track	224+656-224+708	platform	52,00	0,35	1,60
Supovački Most	next to right track	228+087-228+155	platform	68,00	0,35	1,60
	next to left track	228+091-228+159	platform	68,00	0,35	1,60
Mezgraja	next to right track	229+306-229+416	platform	110,00	0,35	1,60
	next to left track	229+306-229+416	platform	110,00	0,35	1,60
Vrtište	next to right track	232+544-232+631	platform	87,00	0,35	1,60
	next to left track	232+544-232+631	platform	87,00	0,35	1,60
TRUPALE	between 2nd and 3rd track	234+893-234+994	platform	101,00	0,40	1,60
	between 4th and 5th track	234+893-234+994	platform	101,00	0,40	1,60
CRVENI KRST	between 2nd and 3rd track	240+842-240+994	platform	152,00	0,40	1,60
NIŠ	next to 1st track	243+410-243+763	platform	353,00	0,40	5,80
	between 2nd and 3rd track	243+410-243+813	platform	403,00	0,40	8,00
	between 4th and 5th track	243+410-243+771	platform	361,00	0,40	8,00
	between 1b and 1st track	243+643-243+763	platform	120,00	0,40	5,80
	next to 1a track	243+660-243+763	platform	103,00	0,40	1,60
MEĐUROVO	NONE					
BELOTINCE	between 1st and 2nd track	253+906-253+987	platform	81,00	0,40	1,60
Čapljinac	next to the line on the left	255+443-255+493	platform	50,00	0,40	1,60
Malošište	next to the line on the left	257+890-257+940	platform	50,00	0,40	1,60
DOLJEVAC	between 1st and 2nd track	261+419-261+527	platform	108,00	0,40	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
	between 2nd and 3rd track	261+419-261+526	platform	107,00	0,40	1,60
Kočane	next to the line on the right	263+218-263+263	platform	45,00	0,40	1,10
	next to the line on the right	263+274-263+287	platform	13,00	0,40	1,10
Pukovac	next to the line on the right	265+833-265+862	platform	29,00	0,40	1,60
	next to the line on the right	265+870-265+897	platform	27,00	0,40	1,60
BRESTOVAC	between 2nd and 3rd track	267+906-267+971	platform	65,00	0,40	1,60
Lipovica	next to the line on the left	270+819-270+844	platform	25,00	0,40	1,10
	next to the line on the left	270+850-270+887	platform	37,00	0,40	1,10
PEČENJEVCE	between 2nd and 3rd track	275+522-275+596	platform	74,00	0,40	1,60
Živkovo	next to the line on the right	278+820-278+865	platform	45,00	0,40	1,10
Priboj Leskovački	next to the line on the right	280+440-280+480	platform	40,00	0,40	1,00
VINARCI	NONE					
LESKOVAC	between 1st and 2nd track	287+460-287+679	platform	219,00	0,40	1,60
	between 2nd and 3rd track	287+507-287+630	platform	123,00	0,40	1,60
ĐORĐEVO	NONE					
GRDELICA	between 2nd and 3rd track	301+841-301+886	platform	45,00	0,40	1,60
	between 3rd and 4th track	301+841-301+886	platform	45,00	0,40	1,60
Palojska Rosulja	next to the line on the left	308+614-308+629	platform	15,00	0,40	1,60
PREDEJANE	between 1st and 2nd track	312+675-312+750	platform	75,00	0,40	1,60
DŽEP	between 2nd and 3rd track	319+629-319+710	platform	81,00	0,40	1,60
MOMIN KAMEN	next to the line on the left	322+900-322+930	platform	30,00	0,40	1,60
Šelince	NONE					
VLADIČIN HAN	between 1st and 2nd track	329+472-329+676	platform	204,00	0,40	1,60
SUVA MORAVA	next to 1st track	334+043-334+095	platform	52,00	0,40	1,60
Lepenički most	NONE					
Stubal	NONE					
PRIBOJ VRANJSKI	NONE					
VRANJSKA BANJA	between 1st and 2nd track	347+958-348-080	platform	122,00	0,40	1,60
VRANJE	between 1st and 2nd track	354+080-354+260	platform	180,00	0,40	1,60
	between 2nd and 3rd track	354+125-354+242	platform	117,00	0,40	1,60
Neradovac	NONE					
RISTOVAC	between 1st and 2nd track	365+666-365+768	platform	102,00	0,40	1,60
	between 2nd and 3rd track	365+666-365+768	platform	102,00	0,40	1,60
BUJANOVAC	between 1st and 2nd track	373+665-373+720	platform	55,00	0,40	1,60
Letovica	NONE					
BUKAREVAC	NONE					
PREŠEVO	between 1st and 2nd track	392+256-392+357	platform	101,00	0,40	1,60
103. (Belgrade) - Rakovica - Jajinci - Mala Krsna - Velika Plana						

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
RAKOVICA	next to 2nd track on the right	8+460-8+786	platform	326,00	0,55	6,10
	between 3rd and 4th track	8+637-8+868	platform	231,00	0,55	6,10
	between 5th and 6th track	8+545-8+865	platform	320,00	0,55	6,20
JAJINCE	NONE					
BELI POTOK	between 2nd and 3rd track	16+240-16+337	platform	97,00	0,40	1,60
	between 3rd and 4th track	16+240-16+351	platform	111,00	0,40	1,60
Zuce staj.	next to the line on the right	20+305-20+363	platform	58,00	0,40	1,60
ZUCE	between 1st and 2nd track	21+180-21+287	platform	107,00	0,40	1,60
VRČIN	between 1st and 2nd track	24+824-24+932	platform	108,00	0,40	1,60
	between 2nd and 3rd track	24+824-24+934	platform	110,00	0,40	1,60
Kasapovac	next to the line on the left	27+840-27+938	platform	98,00	0,40	1,60
LIPE	between 1st and 2nd track	31+208-31+316	platform	108,00	0,40	1,60
MALA IVANČA	next to 1st track	36+858-36+925	platform	67,00	0,40	1,60
	between 1st and 2nd track	36+863-36+925	platform	62,00	0,40	1,60
Brestovi	next to the line on the left	39+208-39+305	platform	97,00	0,40	1,60
MALI POŽAREVAC	between 1st and 2nd track	41+250-41+356	platform	106,00	0,40	1,60
	between 2nd and 3rd track	41+250-41+358	platform	108,00	0,40	1,60
Dražanj-Šepšin	next to the line on the right	43+114-43+219	platform	105,00	0,40	1,60
UMČARI	between 1st and 2nd track	47+730-47+839	platform	109,00	0,40	1,60
	between 2nd and 3rd track	47+730-47+837	platform	107,00	0,40	1,60
Živkovac	next to the line on the left	52+290-52+340	platform	50,00	0,40	1,60
VODANJ	between 2nd and 3rd track	55+130-55+229	platform	99,00	0,40	1,60
KOLARI	between 1st and 2nd track	60+558-60+656	platform	98,00	0,40	1,60
Ralja Smederevska	next to the line on the left	66+573-66+605	platform	32,00	0,40	1,60
MALA KRSNA	between 1st and 2nd track	69+030-69+175	platform	145,00	0,40	1,90
	between 2nd and 3rd track	69+030-69+175	platform	145,00	0,40	1,90
	between 3rd and 4th track	69+042-69+184	platform	142,00	0,40	1,90
	between 4th and 5th track	69+080-69+230	platform	150,00	0,40	1,90
Skobalj	next to the line on the left	71+981-72+015	platform	34,00	0,40	1,60
Osipaonica staj.	next to the line on the left	74+749-74+784	platform	35,00	0,40	1,60
OSIPAONICA	between 1st and 2nd track	76+168-76+231	platform	63,00	0,40	1,60
	between 2nd and 3rd track	76+177-76+229	platform	52,00	0,40	1,60
Lugavčina	next to the line on the right	77+867-77+904	platform	37,00	0,40	1,30
Saraorci	NONE					
LOZOVIK-SARAORCI	between 2nd and 3rd track	82+710-82+812	platform	102,00	0,40	1,60
Miloševac	next to the line on the left	85+500-85+602	platform	50,00	0,40	1,60
KRNJEVO-TRNOVČE	between 2nd and 3rd track	90+248-90+348	platform	100,00	0,40	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
VELIKO ORAŠJE	between the plateau in front of the station and 2nd track	94+626,5-94+658,5	platform	32,00	0,40	1,60
	between 2nd and 3rd track	94+586,5-94+689,5	platform	100,00	0,40	1,60
VELIKA PLANA	between 1st and 2nd track	90+350-90+400	platform	50,00	0,40	1,60
	between 2nd and 3rd track	90+289-90+430	platform	141,00	0,40	1,60
	between 3rd and 4th track	90+370-90+510	platform	140,00	0,40	1,60
	between 4th and 5th track	90+360-90+464	platform	104,00	0,40	1,60
104. (Belgrade) - Stara Pazova - Novi Sad - Subotica - state border - (Kelebia)						
STARA PAZOVA	next to 1st track	35+003,51-35+223,51	platform	220,00	0,55	3,00
	between 2nd and 3rd track	35+014,23-35+264,23	platform	250,00	0,55	3,76
	between 5th and 6th track	35+014,23-35+264,23	platform	250,00	0,55	6,16
INĐIJA	between 1st and 2nd track	42+840-42+970	platform	130,00	0,40	1,60
	between 2nd and 3rd track	42+783-42+928	platform	145,00	0,40	1,60
INĐIJA PUSTARA	NONE					
BEŠKA	between 1st and 2nd track	52+864-53+042	platform	178,00	0,40	1,60
	between 2nd and 3rd track	52+864-53+042	platform	178,00	0,40	1,60
ČORTANOVCI	next to 1st track	56+520-56+557	platform	37,00	0,30	7,00
Čortanovci Dunav	NONE					
KARLOVAČKI VINOGRADI	next to 1st track	62+338-62+365	platform	27,00	0,25	7,00
	next to 1st track	62+365-62+449	platform	84,00	0,40	1,60
	between 1st and 2nd track	62+338-62+449	platform	111,00	0,40	1,60
SREMSKI KARLOVCI	between 1st and 2nd track	66+501-66+698	platform	197,00	0,40	1,60
	between 2nd and 3rd track	66+501-66+700	platform	199,00	0,40	1,60
PETROVARADIN	between 2nd and 3rd track	71+834-71+986	platform	152,00	0,40	1,60
	between 3rd and 4th track	71+822-71+991	platform	169,00	0,40	2,80
NOVI SAD	next to 11th track	77+836-77+950	platform	114,00	0,40	3,00
	between 11th and 10th track	77+822-77+950	platform	128,00	0,40	3,72
	between 10th and 1st track	77+835-77+887	platform	52,00	0,40	4,20
	next to 1st track	77+835-78+250	platform	415,00	0,40	4,20-8,90
	between 2nd and 4th track	77+843-78+181	platform	338,00	0,40	8,75
	between 12th and 1st track	78+104-78+250	platform	146,00	0,40	8,90
	between 14th and 13th track	78+104-78+249	platform	145,00	0,40	6,46
SAJLOVO	NONE					
KISAČ	between 1st and 2nd track	91+349-91+414	platform	65,00	0,33	1,40
Stepanovićevo	next to the line on the right	98+040-98+080	platform	40,00	0,35	1,60
ZMAJEVO	between 2nd and 3rd track	103+505-103+570	platform	65,00	0,34	1,40

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
VRBAS	between 2nd and 3rd track	116+702-116+770,30	platform	68,00	0,35	1,40
	between 3rd and 4th track	116+702-116+770,30	platform	68,00	0,35	1,40
LOVĆENAC	between 2nd and 3rd track	128+098-128+158	platform	60,00	0,19	1,90
Mali Iđoš	NONE					
MALI IĐOŠ POLJE	NONE					
BAČKA TOPOLA	between 1st and 2nd track	144+096-144+248	platform	152,00	0,15/0,40	1,60
	between 2nd and 3rd track	144+093-144+241	platform	148,00	0,25	1,60
Mali Belgrade	NONE					
ŽEDNIK	between 2nd and 3rd track	157+792-157+862	platform	70,00	0,20	1,90
Verušić	next to to the line on the left	162+950-162+985	platform	35,00	0,30	1,60
NAUMOVIĆEVO	between 1st and 2nd track	166+144-166+214	platform	70,00	0,30	1,60
Aleksandrovo predgrađe	next to to the line on the right	171+938-171+983	arranged surface	45,00	0,05	0,60
SUBOTICA	between 1st and 2nd track	176+360-176+414	arranged surface	54,00	0,05	1,70
	between 1st and 2nd track	176+414-176+487	platform	73,00	0,25	1,60
	between 1st and 2nd track	176+487-176+838	arranged surface	351,00	0,05	1,70
	between 2nd and 3rd track	176+322-176+838	arranged surface	516,00	0,05	1,70
	between 3rd and 4th track	176+335-176+573	arranged surface	238,00	0,05	1,70
105. Niš - Dimitrovgrad - state border - (Dragoman)						
NIŠ	next to 1st track	243+410-243+763	platform	353,00	0,40	5,80
	between 2nd and 3rd track	243+410-243+813	platform	403,00	0,40	8,00
	between 4th and 5th track	243+410-243+771	platform	361,00	0,40	8,00
	between 1b and 1st track	243+643-243+763	platform	120,00	0,40	5,80
	next to 1a track	243+660-243+763	platform	103,00	0,40	1,60
Palilulska rampa	next to to the line on the left	1+669-1+769	platform	100,00	0,40	1,60
	next to to the line on the left	1+809-1+875	platform	66,00	0,40	1,60
Vojna Bolnica	NONE					
ĆELE KULA	between 2nd and 3rd track	5+422-5+502	platform	80,00	0,40	1,60
EI Niš	NONE					
NIŠKA BANJA	between 2nd and 3rd track	10+450-10+558	platform	108,00	0,40	1,60
Prosek	next to to the line on the right	14+712-14+731	platform	19,00	0,40	1,60
	next to to the line on the right	14+740-14+770	platform	30,00	0,40	1,60
SIĆEVO	NONE					
OSTROVICA	between 1st and 2nd track	22+475-22+529	platform	54,00	0,40	1,60
Majdan Ostrovica	NONE					
Radov Dol	next to to the line on the left	29+494-29+520	platform	26,00	0,40	1,60
DOLAC	between 2nd and 3rd track	31+640-31+739	platform	79,00	0,40	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Crveni Breg	next to to the line on the left	34+262-34+292	platform	30,00	0,40	1,60
CRVENA REKA	between 2nd and 3rd track	36+393-36+451	platform	58,00	0,40	1,60
Belanovac	next to to the line on the left	39+691-39+761	platform	70,00	0,40	1,60
BELA PALANKA	between 2nd and 3rd track	44+907-44+977	platform	70,00	0,40	1,60
Crkvica	NONE					
ČIFLIK	NONE					
Sinjac	NONE					
Đurđevo Polje	NONE					
Crvenčevo	NONE					
STANIČENJE	NONE					
Sopot	NONE					
PIROT	between 1st and 2nd track	72+901-72+989	platform	87,00	0,40	1,60
	between 2nd and 3rd track	72+868-73+021	platform	153,00	0,40	1,60
Božurat	NONE					
Veliki Jovanovac	NONE					
SUKOVO	NONE					
Činiglavci	NONE					
Srećkovac	NONE					
DIMITROVGRAD	next to 14th track	97+126-97+267	platform	141,00	0,40	1,60
	between 1st and 2nd track	97+316-97+717	platform	401,00	0,40	1,60
106. Belgrade Centar - Pančevo Main Station - Vršac - state border - (Stamora Moravita)						
BELGRADE CENTAR	next to 3rd track	0+120-0+00-0+300	platform	420,00	0,55	10,00
	between 4th and 5th track	0+155-0+00-0+300	platform	455,00	0,55	10,00
	between 6th and 7th track	0+155-0+00-0+300	platform	455,00	0,55	10,00
	between 8th and 9th track	0+120-0+00-0+300	platform	420,00	0,55	10,00
	next to 10th track	0+120-0+00-0+300	platform	420,00	0,55	10,00
Karađorđev park	between tracks (next to the left track towards Banat)	1+123-1+215	platform	92,00	0,55	7,00
	between tracks (next to the right track towards Banat)	1+123-1+215	platform	92,00	0,55	7,00
Vukov spomenik	between tracks	2+754,13-2+829,13	platform	75,00	0,95	18,60
	between tracks (next to the right track towards Banat)	2+785,52-2+860,52	platform	65,00	0,95	3,50
	between tracks (next to the right track towards Banat)	2+925,52-3+010,52	platform	85,00	0,95	3,50
	between tracks (next to the left track towards Banat)	2+689,13-2+754,13	platform	65,00	0,95	3,50
	between tracks (next to the left track towards Banat)	2+829,13-2+914,13	platform	85,00	0,95	3,50
PANČEVAČKI MOST	next to 2nd track	4+694-4+845	platform	151,00	0,90	4,94

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
	next to 1st track	4+590-4+741	platform	151,00	0,90	4,94
	next to the line on the right	10+500-10+600	platform	100,00	0,40	1,60
Krnjača most	between left and right track	7+003,5-7+223,5	platform	220,00	0,60	7,00
KRNJAČA	next to 4th track	8+165,06-8+385,06	platform	220,00	0,55	3,00
	next to 1st track	8+182,24-8+402,24	platform	220,00	0,55	3,00
Sebeš	next to the line on the left	9+975,05-10+085,05	platform	100,00	0,60	3,10
	next to the line on the right	9+975,05-10+085,05	platform	100,00	0,60	3,10
OVČA	next to 1st track	12+537,6-12+757,6	platform	220,00	0,55	4,00
	between 4th and 5th track	12+537,6-12+757,6	platform	220,00	0,55	6,10
PANČEVO MAIN STATION	between 1st and 2nd track	15+913-16+033	platform	120,00	0,40	1,60
	between 1st and 2nd track	16+090-16+210	platform	120,00	0,40	1,60
	between 2nd and 3rd track	15+913-16+210	platform	297,00	0,40	1,60
	between 3rd and 4th track	15+987-16+137	platform	150,00	0,40	1,60
PANČEVO VAROŠ	between 1st and 2nd track	18+105-18+345	platform	240,00	0,40	1,60
	next to 1st track	18+131-18+223	station plateau	92,00	0,40	1,60
	between 2nd and 3rd track	18+100-18+364	platform	264,00	0,40	1,60
BANATSKO NOVO SELO	between 2nd and 3rd track	33+981-34+035	arranged surface	54,00	0,30	0,50
VLADIMIROVAC	between 1st and 2nd track	45+806-45+906	arranged surface	100,00	0,00	1,30
	between 2nd and 3rd track	45+806-45+906	arranged surface	100,00	0,00	1,30
ALIBUNAR	between 1st and 2nd track	53+503-53+603	arranged surface	100,00	0,00	1,30
	between 2nd and 3rd track	53+503-53+603	arranged surface	100,00	0,00	1,30
BANATSKI KARLOVAC	between 2nd and 3rd track					
Nikolinci	NONE					
ULJMA	between 2nd and 3rd track					
Vlajkovac	NONE					
VRŠAC	between 1st and 2nd track	82+807,5-82+902,5	platform	95,00	0,40	1,60
	between 2nd and 3rd track	82+807,5-82+902,5	platform	95,00	0,40	1,60
107. (Belgrade) - Resnik - Požega - Vrbnica - state border - (Bijelo Polje)						
RESNIK	next to 1st track	14+080-14+240	arranged surface	160,00	0,55	4,00
	between 1st and 2nd track	14+080-14+240	platform	160,00	0,35	1,55
	between 3rd and 4th track	13+943-14+238	platform	295,00	0,55	6,20
BELA REKA	between 1st and 2nd track	7+538-7+648	platform	110,00	0,35	1,60
Nenadovac	next to the line on the left	12+077-12+127	platform	50,00	0,35	1,60
BARAJEVO	between 2nd and 3rd track	15+654-15+764	platform	110,00	0,35	1,60
Barajevo Centar	next to the line on the left	17+895-18+003	platform	108,00	0,35	1,60
VELIKI BORAK	between 1st and 2nd track	23+039-23+151	platform	112,00	0,35	1,60
Leskovac Kolubarski	next to the line on the right	27+720-27+770	platform	50,00	0,35	1,60
STEPOJEVAC	between 2nd and 3rd track	30+572-30+682	platform	110,00	0,35	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
VREOCI	between 2nd and 3rd track	37+150-37+300	platform	150,00	0,35	1,60
	between 3rd and 4th track	37+150-37+300	platform	150,00	0,35	1,60
LAZAREVAC	between 1st and 2nd track	45+311-45+462	platform	151,00	0,35	1,60
	between 2nd and 3rd track	45+311-45+462	platform	151,00	0,35	1,60
LAJKOVAC	between 1st and 2nd track	52+547-52+697	platform	150,00	0,40	1,60
	between 2nd and 3rd track	52+527-52+697	platform	170,00	0,35	1,60
SLOVAC	between 1st and 2nd track	58+899-59+052	platform	153,00	0,35	1,60
	between 2nd and 3rd track	58+899-59+052	platform	153,00	0,35	1,60
Mlađevo	next to the line on the right	63+958-64+035	platform	77,00	0,35	1,60
DIVCI	between 1st and 2nd track	67+043-67+213	platform	170,00	0,35	1,60
	between 2nd and 3rd track	67+043-67+213	platform	170,00	0,35	1,60
Lukavac Kolubarski	next to the line on the right	69+165-69+265	platform	100,00	0,35	1,60
Iverak	next to the line on the right	72+725-72+825	platform	100,00	0,35	1,60
VALJEVO	next to 1st track	77+550-77+851	platform	301,00	0,35	5,40
	between 2nd and 3rd track	77+562-77+863	platform	301,00	0,35	7,55
VALJEVSKI GRADAC	next to the line on the right	84+560-84+610	platform	50,00	0,35	1,60
Leskovice	next to the line on the left	91+605-91+655	platform	50,00	0,35	1,60
LASTRA	between 2nd and 3rd track	93+985-94+131	platform	146,00	0,35	1,60
SAMARI	between 2nd and 3rd track	103+118-103+168	platform	50,00	0,40	1,60
Drenovački Kik	next to the line on the right	107+700-107+750	platform	50,00	0,40	1,60
RAŽANA	between 3rd and 4th track	111+284-111+430	platform	146,00	0,35	1,60
KOSJERIĆ	between 3rd and 4th track	118+748-118+948	platform	200,00	0,40	1,60
	between 4th and 5th track	118+748-118+948	platform	200,00	0,40	1,60
Tubići	next to the line on the left	123+446-123+496	platform	50,00	0,35	1,60
KALENIĆI	between 3rd and 4th track	129+772-129+918	platform	146,00	0,35	1,60
Otanj	next to the line on the right	133+600-133+710	platform	110,00	0,40	1,50
Glumač	next to the line on the right	135+807-135+863	platform	56,00	0,40	1,60
POŽEGA	next to 1st track	140+720-140+975	platform	255,00	0,45	10,00
	between 2nd and 3rd track	140+675-140+984	platform	309,00	0,45	6,20
Rasna	next to the line on the right	145+618-145+650	platform	32,00	0,40	1,00
UZIĆI	between 1st and 2nd track	149+125-149+255	platform	130,00	0,40	1,60
	between 2nd and 3rd track	149+255-149+389	platform	134,00	0,40	1,60
Zlakusa	next to the line on the right	151+536-151+566	platform	30,00	0,40	1,60
Bukovička Rampa	next to the line on the right	154+141-154+161	platform	20,00	0,40	1,60
SEVOJNO	between 1st and 2nd track	156+882-157+082	platform	202,00	0,40	1,60
UŽICE FREIGHT	between 2nd and 3rd track	161+795-161+995	platform	200,00	0,40	1,60
	between 1st and 2nd track	161+813-161+953	platform	140,00	0,40	1,60
UŽICE	next to 1st track	163+645-163+900	platform	255,00	0,40	3,00

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
	between 2nd and 3rd track	163+626-163+881	platform	255,00	0,60	5,10
STAPARI	between 1st and 2nd track	170+590-170+710	platform	120,00	0,40	1,60
Ristanovića Polje	next to the line on the left	173+412-173+425	platform	13,00	0,40	1,60
	next to the line on the right	173+426-173+464	platform	38,00	0,40	1,60
Tripkova	next to the line on the right	176+045-176+095	platform	50,00	0,40	1,60
SUŠICA	between 2nd and 3rd track	178+251-178+371	platform	120,00	0,40	1,60
BRANEŠCI	next to 1st track	185+181-185+291	platform	110,00	0,40	5,50
	between 1st and 2nd track	185+181-185+291	platform	110,00	0,40	1,60
	between 2nd and 3rd track	185+181-185+291	platform	110,00	0,40	1,60
ZLATIBOR	between 2nd and 3rd track	193+234-193+404	platform	170,00	0,40	1,60
Ribnica Zlatiborska	next to the line on the left	200+350-200+400	platform	50,00	0,40	1,60
JABLANICA	between 3rd and 4th track	204+405-204+550	platform	145,00	0,40	1,60
Goleš	next to the line on the right	211+590-211+616	platform	26,00	0,40	1,00
ŠTRPCI	between 2nd and 3rd track	214-755-214-900	platform	145,00	0,40	1,60
Rača	next to the line on the right	219+515-219+536	platform	21,00	0,40	1,00
PRIBOJ	between 2nd and 3rd track	225+227-225+490	platform	263,00	0,50	5,10
	between 6th and 7th track	225+137-225+237	platform	100,00	0,50	3,00
Poljice	next to the line on the right	228+110-228+190	platform	80,00	0,40	1,60
Pribojska Banja	next to the line on the right	232+867-232+899	platform	32,00	0,40	1,00
BISTRICA NA LIMU	between 2nd and 3rd track	241+208-241+352	platform	144,00	0,40	1,60
Džurovo	next to the line on the right	246+300-246+328	platform	28,00	0,40	1,00
PRIJEPOLJE	next to 1st track	252+396-252+705	platform	309,00	0,40	4,60
	between 2nd and 3rd track	252+396-252+705	platform	309,00	0,40	7,00
PRIJEPOLJE FREIGHT	between 2nd and 3rd track	255+789-255+982	platform	187,00	0,35	1,60
	between 3rd and 4th track	255+789-255+982	platform	187,00	0,35	1,60
Velika Župa	next to the line on the right	259+605-259+624	platform	19,00	0,40	1,00
LUČICE	between 2nd and 3rd track	264+581-264+714	platform	133,00	0,35	1,60
BRODAREVO	between 2nd and 3rd track	273+255-273+404	platform	149,00	0,30	1,60
VRBNICA	between 1st and 2nd track	285+205-285+255	platform	50,00	0,30	1,60
	between 2nd and 3rd track	285+112-285+256	platform	144,00	0,30	1,60
108. Lapovo - Kraljevo - Lešak - Kosovo Polje - Đeneral Janković - state border - (Volkovo)						
LAPOVO	between 2nd and 3rd track	109+560-109+680	platform	120,00	0,35	1,60
	between 3rd and 4th track	109+560-109+680	platform	120,00	0,35	1,60
	next to 1st track	109+460-109+510	platform	50,00	0,35	1,60
BATOČINA	between 1st and 2nd track	3+374,7-3+421,9	platform	47,20	0,12	1,30
Gradac	next to the line on the left	8+243,4-8+292,9	platform	49,50	0,30	1,05
BADNJEVAC	between 2nd and 3rd track	12+264,5-12+311,5	platform	47,00	0,14	1,80
Resnik Kragujevački	NONE					

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Milatovac	next to the line on the right	18+206,9-18+253,7	platform	46,80	0,33	1,10
Cvetojevac	next to the line on the right	20+381-20+422,2	platform	41,20	0,25	1,20
JOVANOVAC	between 2nd and 3rd track	22+308-22+352	platform	44,00	0,22	1,75
KRAGUJEVAC	between 1st and 2nd track	28+726-28+918,7	platform	192,70	0,24	1,20
	between 2nd and 3rd track	28+752-28+907	platform	155,00	0,24	1,80
Zavod	next to the line on the right	31+280,5-31+288,25	platform	7,75	0,10	0,50
GROŠNICA	between 1st and 2nd track	34+062,8-34+104,3	platform	41,50	0,22	1,50
DRAGOBRAĆA	between 1st and 2nd track	39+529-39+565	platform	36,00	0,20	1,20
Vučkovica	next to the line on the right	44+513-44+538	platform	25,00	0,30	1,20
KNIĆ	between 1st and 2nd track	47+560-47+607	platform	47,00	0,30	1,40
GRUŽA	between 1st and 2nd track	53+458-53+505,5	platform	47,50	0,22	1,40
GUBEREVAC	between 1st and 2nd track	60+567-60+614	platform	47,00	0,20	1,55
Tomića Brdo	next to the line on the right	64+795-64+822,5	platform	27,50	0,35	1,00
VITKOVAC	between 1st and 2nd track	66+309-66+353	platform	44,00	0,25	1,25
Milavčići	next to the line on the left	70+141,8-70+172,8	platform	31,00	0,35	1,40
VITANOVAC	between 1st and 2nd track	73+904,3-73+948,7	platform	44,40	0,22	1,40
Šumarice	next to the line on the left	79+111-79+128,4	platform	17,40	0,25	0,50
Sirča	next to the line on the right	82+006-82+069	platform	63,00	0,35	1,90
KRALJEVO	between 1st and 2nd track	84+649-84+733	platform	84,00	0,33	1,60
	between 2nd and 3rd track	84+649-84+748	platform	99,00	0,33	1,60
MATARUŠKA BANJA	between 2nd and 3rd track	93+895-93+940	platform	45,00	0,20	1,80
Progorelica	next to the line on the left	97+352-97+386	platform	34,00	0,25	1,40
BOGUTOVAČKA BANJA	between 1st and 2nd track	100+868-100+919	platform	51,00	0,22	1,80
DOBRE STRANE	NONE					
POLUMIR	between 1st and 2nd track	118+291-118+344	platform	53,00	0,26	1,50
Pusto Polje	next to the line on the left	123+555-123+589	platform	34,00	0,25	1,00
UŠĆE	between 1st and 2nd track	127+223-127+281	platform	58,00	0,34	1,50
Lozno	next to the line on the right	132+832-132+866	platform	34,00	0,22	0,50
JOŠANIČKA BANJA	between 1st and 2nd track	136+102-136+152	platform	50,00	0,25	1,45
Piskanja	next to the line on the left	138+842-138+884	platform	42,00	0,21	1,00
BRVENIK	between 1st and 2nd track	143+481-143+528	platform	47,00	0,32	1,50
Rvati	next to the line on the left	148+258-148+304	platform	46,00	0,22	1,00
RAŠKA	between 1st and 2nd track	152+236-152+353	platform	117,00	0,32	1,80
Kaznovići	next to the line on the left	157+700-157+740	platform	40,00	0,23	1,00
RUDNICA	between 1st and 2nd track	161+970-162+022	platform	52,00	0,25	1,55
Donje Jarinje	NONE					
Jerina	next to the line on the left	168+865-168+935	arranged surface	70,00	0,20	1,60
LEŠAK	between 1st and 2nd track	172+294-172+394	platform	100,00	0,35	1,60
	between 2nd and 3rd track	172+294-172+394	platform	100,00	0,35	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Dren	NONE					
LEPOSAVIĆ	between 1st and 2nd track	182+675-182+775	platform	100,00	0,35	1,60
Pridvorica	NONE					
Sočanica	next to the line on the left	190+000-190+040	platform	40,00	0,35	1,00
IBARSKA SLATINA	NONE					
Plandište	NONE					
BANJSKA	NONE					
Valač	between 1st and 2nd track	208+170-208+230	arranged surface	60,00	0,35	1,00
ZVEČAN	next to 1st track	210+900-211+000	platform	100,00	0,35	1,60
Kosovska Mitrovica North	next to the line on the left	213+390-213+440	platform	50,00	0,35	1,60
109. Subotica - Bogojevo - state border - (Erdut)						
BOGOJEVO	NONE					
SONTA	NONE					
PRIGREVICA	between 1st and 2nd track	58+619-58+649	platform	30,00	0,30	1,55
	between 2nd and 3rd track	58+619-58+649	platform	30,00	0,30	1,57
BUKOVAČKI SALAŠI	NONE					
SOMBOR	between 1st and 2nd track	73+417-73+477	platform	60,00	0,31	1,61
	between 1st and 2nd track	73+584-73+612	arranged surface	28,00	0,05	1,50
	between 1st and 2nd track	73+673-73+823	arranged surface	150,00	0,05	1,50
	between 2nd and 3rd track	73+417-73+477	platform	60,00	0,38	1,61
	between 2nd and 3rd track	73+584-73+612	arranged surface	28,00	0,05	1,50
	between 3rd and 4th track	73+584-73+701	arranged surface	117,00	0,05	1,50
SVETOZAR MILETIĆ	between 2nd and 3rd track	83+340-83+397	platform	56,70	0,29	1,68
ALEKSA ŠANTIĆ	between 2nd and 3rd track	97+500-97+556	platform	55,61	0,24	1,90
BAJMOK	between 2nd and 3rd track	105+138-105+193	platform	54,62	0,23	1,90
Skenderevo	NONE					
TAVANKUT	between 2nd and 3rd track	115+350-115+399	platform	49,26	0,30	1,80
LJUTOVO	NONE					
ŠEBEŠIĆ	NONE					
Subotica suburbs	next to the line on the left	128+229-128+270	platform	41,00	0,25	1,60
110. Belgrade Centar – Novi Beograd						
BELGRADE CENTAR	next to 3rd track	0+120-0+00-0+300	platform	420,00	0,55	10,00
	between 4th and 5th track	0+155-0+00-0+300	platform	455,00	0,55	10,00
	between 6th and 7th track	0+155-0+00-0+300	platform	455,00	0,55	10,00
	between 8th and 9th track	0+120-0+00-0+300	platform	420,00	0,55	10,00
	next to 10th track	0+120-0+00-0+300	platform	420,00	0,55	10,00
NOVI BEOGRAD	next to 1st track	4+798,8-5+273,5	platform	474,70	0,35	5,60
	between 1st and 2nd track*	4+798,8-5+273,5	platform	474,70	0,35	4,00

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
	between 2nd and 3rd track	4+798,8-5+273,5	platform	474,70	0,35	10,60
	between 3rd and 4th track*	4+798,8-5+273,5	platform	474,70	0,35	4,00
	between 4th and 5th track	4+798,8-5+273,5	platform	474,70	0,35	10,60
	next to 5th track	4+798,8-5+273,5	platform	474,70	0,35	5,60
111. Belgrade Centar - Open line junction G - (Rakovica)						
BELGRADE CENTAR	next to 3rd track	0+120-0+00-0+300	platform	420,00	0,55	10,00
	between 4th and 5th track	0+155-0+00-0+300	platform	455,00	0,55	10,00
	between 6th and 7th track	0+155-0+00-0+300	platform	455,00	0,55	10,00
	between 8th and 9th track	0+120-0+00-0+300	platform	420,00	0,55	10,00
	next to 10th track	0+120-0+00-0+300	platform	420,00	0,55	10,00
112. Belgrade Marshalling yard "A" - Ostružnica - Batajnica						
BELGRADE MARSHALLING YARD A	NONE					
OSTRUŽNICA	NONE					
SURČIN	NONE					
BATAJNICA	between 1st and 2nd track	20+510-20+768	platform	258,00	0,35	1,90
	between 2nd and 3rd track	20+543-20+722,5	platform	179,50	0,35	1,90
	between 3rd and 4th track	20+598-20+722,5	platform	124,50	0,35	1,60
	between 4th and 5th track	20+598-20+772,5	platform	124,50	0,35	1,60
113. Belgrade Marshalling yard "B" - Ostružnica						
BELGRADE MARSHALLING YARD B	NONE					
OSTRUŽNICA	NONE					
114. Belgrade Marshalling yard "A" - Open line junction"B" - Open line junction"K/K1" - Resnik						
BELGRADE MARSHALLING YARD A	NONE					
RESNIK	between 1st and 2nd track	14+034-14+145	platform	111,00	0,40	1,60
	between 3rd and 4th track	13+951-14+246	platform	295,00	0,40	6,30
115. Ostružnica - Open line junction"B" - (Open line junction"K/K1")						
OSTRUŽNICA	NONE					
116. Belgrade Marshalling yard "B" - Open line junction"R" - Open line junction"A" - (Resnik)						
BELGRADE MARSHALLING YARD B	NONE					
117. (Belgrade Marshalling yard "B") - Open line junction"R" - Rakovica						
RAKOVICA	next to 2nd track on the right	8+460-8+786	platform	326,00	0,55	6,10
	between 3rd and 4th track	8+637-8+868	platform	231,00	0,55	6,10
	between 5th and 6th track	8+545-8+865	platform	320,00	0,55	6,20
118. Belgrade Marshalling yard "A" - Open line junction"T" - Rakovica						

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
BELGRADE MARSHALLING YARD A	NONE					
RAKOVICA	next to 2nd track on the right	8+460-8+786	platform	326,00	0,55	6,10
	between 3rd and 4th track	8+637-8+868	platform	231,00	0,55	6,10
	between 5th and 6th track	8+545-8+865	platform	320,00	0,55	6,20
119. Belgrade Marshalling yard "B" - Open line junction"T" - (Rakovica)						
BELGRADE MARSHALLING YARD B	NONE					
120. Connecting line in the area of Open line junction "K/K1": (Open line junction"B") - switch "K" - switch "K1" - (Jajinci)						
121. Topcider - Open line junction Savski most - (Novi Belgrade)						
TOPČIDER	next to 1st track (left)	4+978-5+218,50	platform	240,50	0,30	1,30
	next to 3rd track (left)	4+960-5+234	platform	274,00	0,45	1,60
	between 3rd and 4th track	4+950-253,70	platform	303,7,00	0,45	1,60
122. Topcder - Belgrade spoljna - Belgrade Dunav - Open line junction Pančevački most						
TOPČIDER	next to 1st track (left)	4+978-5+218,50	platform	240,50	0,30	1,30
	next to 3rd track (left)	4+960-5+234	platform	274,00	0,45	1,60
	between 3rd and 4th track	4+950-253,70	platform	303,7,00	0,45	1,60
BELGRADE SPOLJNA	NONE					
BELGRADE DONJI GRAD	NONE					
BELGRADE DUNAV	between 2nd and 3rd track	9+866-10+136	platform	277,00	4,00	7,00
PANČEVAČKI MOST	next to 2nd track	4+694-4+845	platform	151,00	0,90	4,94
	next to 1st track	4+590-4+741	platform	151,00	0,90	4,94
	next to the line on the right	10+500-10+600	platform	100,00	0,40	1,60
123. By-pass line of Belgrade External station: (Topcider) - Block 1 "Obala" - Block 2 "Prelaz" - (Belgrade donji grad)						
124. (Open line junction Pančevački most) - Open line junction Karađorđev park - Open line junction Dedinje - (Open line junction G)						
Karađorđev park	between tracks (next to the left track towards Banat)	1+123-1+215	platform	92,00		
	between tracks (next to the right track towards Banat)	1+123-1+215	platform	92,00		
125. Inđija - Golubinci						
INĐIJA	between 1st and 2nd track	42+840-42+970	platform	130,00	0,40	1,60
	between 2nd and 3rd track	42+783-42+928	platform	145,00	0,40	1,60
	between 3rd and 4th track	42+783-42+928	platform	145,00	0,40	1,60
Inđija Selo	next to the line on the right	1+540-1+590	platform	50,00	0,35	1,60
GOLUBINCI	between 2nd and 3rd track	45+726-45+876	platform	150,00	0,35	1,60
	between 3rd and 4th track	45+726-45+876	platform	150,00	0,35	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
126. Novi Sad - Novi Sad Marshalling yard - Open line junction Sajlovo						
NOVI SAD	next to 11th track	77+836-77+950	platform	114,00	0,40	3,00
	between 11th and 10th track	77+822-77+950	platform	128,00	0,40	3,72
	between 10th and 1st track	77+835-77+887	platform	52,00	0,40	4,20
	next to 1st track	77+835-78+250	platform	415,00	0,40	4,20-8,90
	between 2nd and 4th track	77+843-78+181	platform	338,00	0,40	8,75
	between 12th and 1st track	78+104-78+250	platform	146,00	0,40	8,90
	between 14th and 13th track	78+104-78+249	platform	145,00	0,40	6,46
NOVI SAD MARSHALLING YARD	NONE					
127. By-pass line of Mala Krsna station: (Kolari) – junction points 1 - junction points 28 - (Osipaonica)						
128. Open line junction Lapovo Varoš - Lapovo marshalling yard - Lapovo						
Lapovo Varoš	next to right track	106+250-106+310	platform	60,00	0,35	1,60
	next to left track	106+250-106+310	platform	60,00	0,35	1,60
LAPOVO MARSHALLING YARD	NONE					
LAPOVO	between 2nd and 3rd track	109+560-109+680	platform	120,00	0,35	1,60
	between 3rd and 4th track	109+560-109+680	platform	120,00	0,35	1,60
	next to 1st track	109+460-109+510	platform	50,00	0,35	1,60
129. Trupale - Niš marshalling yard - Međurovo						
TRUPALE	between 2nd and 3rd track	234+893-234+994	platform	101,00	0,40	1,60
	between 4th and 5th track	234+893-234+994	platform	101,00	0,40	1,60
NIŠ MARSHALLING YARD	next to 1a track	238+184-238+263	platform	79,00	0,40	1,60
NIŠ	between 2nd and 3rd track	243+410-243+813	platform	403,00	0,40	1,60
	between 4th and 5th track	243+410-243+771	platform	361,00	0,40	1,60
	between 1b and 1st track	243+669-243+763	platform	94,00	0,40	1,60
	between 1a and turnout track	243+683-243+763	platform	80,00	0,40	1,60
130. Crveni krst - Niš marshalling yard						
CRVENI KRST	between 2nd and 3rd track	240+842-240+994	platform	152,00	0,40	1,60
NIŠ MARSHALLING YARD	next to 1a track	238+184-238+263	platform	79,00	0,40	1,60
131. Niš - Open line junction bridge - (Niš marshalling yard)						
NIŠ	next to 1st track	243+410-243+763	platform	353,00	0,40	5,80
	between 2nd and 3rd track	243+410-243+813	platform	403,00	0,40	8,00
	between 4th and 5th track	243+410-243+771	platform	361,00	0,40	8,00
	between 1b and 1st track	243+643-243+763	platform	120,00	0,40	5,80
	next to 1a track	243+660-243+763	platform	103,00	0,40	1,60
132. Connecting track of Niš station: (Crveni krst) - junction points 2 - junction points 4 - (Ćele kula)						

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
REGIONAL LINES						
201. Subotica - Horgoš - state border - (Röszke)						
SUBOTICA	between 1st and 2nd track	176+360-176+414	arranged surface	54,00	0,05	1,70
	between 1st and 2nd track	176+414-176+487	platform	73,00	0,25	1,60
	between 1st and 2nd track	176+487-176+838	arranged surface	351,00	0,05	1,70
	between 2nd and 3rd track	176+322-176+838	arranged surface	516,00	0,05	1,70
	between 3rd and 4th track	176+335-176+573	arranged surface	238,00	0,05	1,70
Subotica public warehouses	next to the line on the right	2+283-2+392	platform	109,00	0,21	1,60
PALIĆ	between 1st and 2nd track	7+601-7+711	platform	110,00	0,26	1,60
Hajdukovo	next to the line on the left	11+703-11+813	platform	110,00	0,24	1,60
Bački Vinogradi	between 2nd and 3rd track	15+371-15+481	platform	110,00	0,23	1,60
HORGOŠ	between 1st and 2nd track	155+792-155+838	platform	46,00	0,22	1,90
	between 2nd and 3rd track	155+793-155+838	platform	45,00	0,22	1,90
202. Pančevo Main Station - Zrenjanin - Kikinda - state border - (Jimbolia)						
PANČEVO MAIN STATION	between 1st and 2nd track	15+913-16+033	platform	120,00	0,40	1,60
	between 1st and 2nd track	16+090-16+210	platform	120,00	0,40	1,60
	between 2nd and 3rd track	15+913-16+210	platform	297,00	0,40	1,60
	between 3rd and 4th track	15+987-16+137	platform	150,00	0,40	1,60
JABUKA	NONE					
KAČAREVO	between 1st and 2nd track	26+784-26+834	platform	50,00	0,40	1,60
CREPAJA	NONE					
DEBELJAČA	NONE					
KOVAČICA	NONE					
UZDIN	NONE					
TOMAŠEVAC	between 1st and 2nd track	61+920-61+970	platform	50,00	0,35	1,60
	between 2nd and 3rd track	61+920-61+970	platform	50,00	0,35	1,60
ORLOVAT STOP	between 1st and 2nd track	64+025-64+075	platform	50,00	0,35	1,60
LUKIĆEVO	NONE					
ZRENJANIN PLANT	NONE					
ZRENJANIN	next to 1st track	88+705-88+776	platform	71,00	0,55	1,30
ELEMIR	NONE					
MELENCI	NONE					
KUMANE	NONE					
NOVI BEČEJ	NONE					
BANATSKO MILOŠEVO POLJE	NONE					
BANATSKO MILOŠEVO	NONE					
Derić	NONE					

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
KIKINDA	next to 1st track	160+030-160+166	platform	136,00	0,19	3,30-4,40
	between 1st and 2nd track	160+064-160+190	arranged surface	126,00	0,00	1,50
BANATSKO VELIKO SELO	NONE					
203. Banatsko Miloševo - Senta - Subotica						
BANATSKO MILOŠEVO	NONE					
Bočar	NONE					
Ester	NONE					
PADEJ	NONE					
Ostojićevo	NONE					
ČOKA	NONE					
SENTA	between 1st and 2nd track	102+905-102+950	platform	45,00	0,17	1,90
Gornji Breg	NONE					
BOGARAŠ	NONE					
Doline	NONE					
OROM	NONE					
Gabrić	NONE					
Bikovo	NONE					
SUBOTICA	between 1st and 2nd track	176+360-176+414	arranged surface	54,00	0,05	1,70
	between 1st and 2nd track	176+414-176+487	platform	73,00	0,25	1,60
	between 1st and 2nd track	176+487-176+838	arranged surface	351,00	0,05	1,70
	between 2nd and 3rd track	176+322-176+838	arranged surface	516,00	0,05	1,70
	between 3rd and 4th track	176+335-176+573	arranged surface	238,00	0,05	1,70
204. Pančevo Varoš – Open line junction 2a - (Jabuka)						
PANČEVO VAROŠ	next to 1st track	18+131-18+223	station plateau	92,00	0,40	1,60
	between 1st and 2nd track	18+105-18+345	platform	240,00	0,40	1,60
	between 2nd and 3rd track	18+100-18+364	platform	264,00	0,40	1,60
205. Novi Sad - Odžaci - Bogojevo						
NOVI SAD	next to 11th track	77+836-77+950	platform	114,00	0,40	3,00
	between 11th and 10th track	77+822-77+950	platform	128,00	0,40	3,72
	between 10th and 1st track	77+835-77+887	platform	52,00	0,40	4,20
	next to 1st track	77+835-78+250	platform	415,00	0,40	4,20-8,90
	between 2nd and 4th track	77+843-78+181	platform	338,00	0,40	8,75
	between 12th and 1st track	78+104-78+250	platform	146,00	0,40	8,90
	between 14th and 13th track	78+104-78+249	platform	145,00	0,40	6,46
Veternik	NONE					
FUTOG	NONE					
PETROVAC-GLOŽAN	NONE					

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Bački Maglić	NONE					
GAJDOBRA	NONE					
Parage	NONE					
RATKOVO	NONE					
ODŽACI	NONE					
Odžaci Kalvarija	NONE					
KARAVUKOVO	NONE					
Bogojevo Selo	NONE					
BOGOJEVO	NONE					
206. (Novi Sad) - Open line junction Sajlovo - Rimski šančevi - Orlovat stop						
GORNJE SAJLOVO	NONE					
RIMSKI ŠANČEVI	NONE					
KAĆ	NONE					
Budisava	NONE					
ŠAJKAŠ	NONE					
Vilovo-Gardinovci	NONE					
Lok	NONE					
TITEL	NONE					
Donji Titel	NONE					
Knićanin	NONE					
PERLEZ	NONE					
FARKAŽDIN	NONE					
ORLOVAT	NONE					
ORLOVAT STOP	between 1st and 2nd track	64+025-64+075	platform	50,00	0,34	1,60
207. Novi Sad Marshalling yard - Sajlovo Open line junction						
NOVI SAD MARSHALLING YARD	NONE					
208. Orlovat - Open line junction 1a - (Lukićevo)						
ORLOVAT	NONE					
209. Ruma - Šabac - Open line junction Donja Borina - state border - (Zvornik Novi)						
RUMA	between 2nd and 3rd track	64+733-64+973	platform	240,00	0,35	1,60
	between 3rd and 4th track	64+733-64+973	platform	240,00	0,35	1,60
	between 4th and 5th track	64+821-64+937	platform	116,00	0,35	1,60
BUĐANOVCI	between 1st and 2nd track	11+324-11+355	platform	31,00	0,35	1,60
Nikinci	next to the line on the left	16+657,7-16+688,7	platform	31,00	0,35	1,60
PLATIČEVO	between 1st and 2nd track	21+293-21+323	platform	30,00	0,35	1,60
Klenak	next to the line on the right	28+873,15-28+904,15	platform	31,00	0,35	1,60
ŠABAC	between 1st and 2nd track	32+684-32+738	platform	54,00	0,40	1,00

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Majur	next to the line on the left	3+975-4+025	platform	50,00	0,35	
ŠTITAR	between 1st and 2nd track	7+713,7-7+735,7	platform	22,00	0,35	1,60
Dublje Mačvansko	NONE					
PETLOVAČA	NONE					
Ribari	NONE					
PRNJAVOR MAČVANSKI	NONE					
Podrinsko Novo Selo	NONE					
LEŠNICA	between 1st and 2nd track	34+900-35+025	platform	125,00	0,55	2,40
Jadarska Straža	next to the line on the right	38+860-38+940	platform	80,00	0,35	1,60
Lipnica	NONE					
LOZNICA	NONE					
Loznica factory	NONE					
KOVILJAČA	between 1st and 2nd track	56+170-56+213	platform	43,00	0,35	1,60
Gornja Koviljača	NONE					
BRASINA	between 2nd and 3rd track	65+212-65+354	platform	142,00	0,35	3,20
Donja Borina	next to the line on the right	68+650-68+750	platform	100,00	0,35	1,60
210. (Platičevo) - Open line junction 1 - Open line junction 3 - (Štitar)						
211. Stalać - Kraljevo - Požega						
STALAĆ	between 2nd and 3rd track	176+222-176+425	platform	203,00	0,28	6,40
	between 4th and 5th track	176+222-176+425	platform	203,00	0,28	1,60
	between 6th and 7th track	176+270-176+378	platform	108,00	0,28	5,30
Mrzenica	next to the line on the right	3+868-3+910	platform	42,00	0,35	2,00
Makrešane	NONE					
DEDINA	NONE					
KRUŠEVAC	between 2nd and 3rd track	14+451-14+626	platform	175,00	0,35	2,84
	between 3rd and 4th track	14+490,3-14+610,3	platform	120,00	0,35	1,60
Čitluk	NONE					
KOŠEVI	NONE					
Globoder	NONE					
STOPANJA	NONE					
Donja Počekovina	NONE					
POČEKOVINA	NONE					
Trstenički Odžaci	NONE					
TRSTENIK	between 2nd and 3rd track	42+400-42+500	platform	100,00	0,35	1,80
VRNJAČKA BANJA	between 2nd and 3rd track	49+136-49+241	platform	105,00	0,35	1,60
Lipova	NONE					
Tominac	NONE					
PODUNAVCI	NONE					

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Vraneši	NONE					
Vrba	NONE					
RATINA	NONE					
KRALJEVO	between 1st and 2nd track	84+649-84+733	platform	84,00	0,33	1,60
	between 2nd and 3rd track	84+649-84+748	platform	99,00	0,33	1,60
Sirča	next to the line on the left	68+880,7-68+940,4	platform	59,70	0,35	1,60
ADRANI	between 2nd and 3rd track	78+622,2-78+657,2	platform	35,00	0,35	1,60
Mrsać	next to the line on the left	81+513-81+553	platform	40,00	0,33	0,50
SAMAILA	NONE					
Goričani	next to the line on the left	88+610-88+658	platform	48,00	0,37	1,00
MRŠINCI	between 2nd and 3rd track	92+241-92-279	platform	38,00	0,35	1,00
Kukići	NONE					
ZABLAĆE	NONE					
Baluga	NONE					
ČAČAK	next to the 1st track on the left	105+500-105+590	platform	90,00	0,44	6,50
	between 1st and 2nd track	105+494-105+628	platform	134,00	0,37	1,60
	between 2nd and 3rd track	105+494-105+615	platform	121,00	0,38	1,60
Trbušani	next to the line on the left	110+240-110+263	platform	23,00	0,40	1,60
PRIJEVOR	between 2nd and 3rd track	112+820-113+070	platform	250,00	0,40	1,60
OVČAR BANJA	next to the line on the right	120+450-120+550	platform	100,00	0,40	1,60
	between 1st and 2nd track	120+450-120+652	platform	202,00	0,35	1,60
Jelen Do	next to the line on the right	127+180-127+320	platform	50,00	0,40	1,60
Dragačevo	between 2nd and 3rd track	128+295-128+405	platform	110,00	0,40	1,60
Gugalj	NONE					
Boračko	NONE					
POŽEGA	next to the 1st track	140+720-140+975	platform	2559,00	0,45	10,00
	between 2nd and 3rd track	146+675-140+984	platform	309,00	0,45	6,20
212. Connecting line of Kraljevo station: (Mataruška Banja) – junction points No 72 - junction points No 73 - (Adrani)						
213. Connecting line of Požega station: (Uzići) - junction points No 53 - junction points No 54 - (Dragačevo)						
214. Smederevo - Mala Krsna						
SMEDEREVO	between 1st and 2nd track	0+000-0-103	platform	103,00	0,40	1,60
	between 2nd and 3rd track	0+000-0-105	platform	105,00	0,40	1,60
Godomin	next to the line on the left	3+303-3+350	platform	47,00	0,40	1,60
RADINAC	next to 1st track	6+650-6+800	platform	150,00	0,50	2,20
	between 2nd and 3rd track	6+650-6+800	platform	150,00	0,60	6,20
Vranovo	next to the line on the left	9+475-9+537	platform	62,00	0,40	1,90

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
MALA KRSNA	between 1st and 2nd track	69+030-69+175	platform	145,00	0,40	1,90
	between 2nd and 3rd track	69+030-69+175	platform	145,00	0,40	1,90
	between 3rd and 4th track	69+042-69+184	platform	142,00	0,40	1,90
	between 4th and 5th track	69+080-69+230	platform	150,00	0,40	1,90
215. Mala Krsna - Bor - Open line junction 2 - (Vražogrnac)						
MALA KRSNA	between 1st and 2nd track	69+030-69+175	platform	145,00	0,40	1,90
	between 2nd and 3rd track	69+030-69+175	platform	145,00	0,40	1,90
	between 3rd and 4th track	69+042-69+184	platform	142,00	0,40	1,90
	between 4th and 5th track	69+080-69+230	platform	150,00	0,40	1,90
LJUBIČEVSKI bridge	NONE					
POŽAREVAC	between 1st and 2nd track	87+703-87+826	platform	123,00	0,40	1,80
	between 2nd and 3rd track	87+712-87+816	platform	104,00	0,40	1,60
Jugovićevo	next to the line on the left	89+078-89+094	platform	16,00	0,50	1,00
Sopot Požarevački	next to the line on the right	90+082-90+107	platform	25,00	0,40	1,60
BUBUŠINAC-BRATINAC	NONE					
Bare-Kasidol	NONE					
STIG	between 1st and 2nd track	102+693-102+764	platform	71,00	0,40	1,60
Majilovac	NONE					
SIRAKOVO	between 1st and 2nd track	109+026-109+079	platform	53,00	0,40	1,60
LJUBINJE	between 1st and 2nd track	116+381-116+444	platform	63,00	0,40	1,60
Češljeva Bara	next to the line on the left	122+138-122+200	platform	62,00	0,40	1,60
RABROVO-KLENJE	between 1st and 2nd track	126+007-126+067	platform	60,00	0,40	1,60
Mustapić	NONE					
Mišljenovac	NONE					
ZVIŽD	NONE					
Kučevska Turija	NONE					
KAONA	NONE					
KUČEVO	NONE					
Neresnica	NONE					
Neresnica (freight)	NONE					
Voluja	NONE					
BRODICA	between 2nd and 3rd track	164+515-164+576	platform	61,00	0,40	1,60
Bosiljkovac	NONE					
Blagojev Kamen	NONE					
MAJDANPEK	between 2nd and 3rd track	178+769-178+920	platform	151,00	0,35	1,60
Debeli Lug	next to the line on the left	181+300-181+318	platform	18,00	0,35	1,60
LESKOVO	between 2nd and 3rd track	187+660-187+722	platform	62,00	0,35	1,60
Jasikovo	next to the line on the left	191+810-191+890	arranged surface	80,00	0,09	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Vlaole Selo	next to the line on the right	194+740-194+780	arranged surface	40,00	0,20	1,60
VLAOLE	between 2nd and 3rd track	197+163-197+224	platform	61,00	0,35	1,60
Gornjane	next to the line on the right	200+288-200+386	arranged surface	98,00	0,35	1,60
Šušulajka	NONE					
CEROVO	NONE					
Kriveljski most	next to the line on the right	207+905-207+995	arranged surface	90,00	0,35	1,60
Kriveljski potok	next to the line on the left	211+873-211+913	arranged surface	40,00	0,35	1,60
MALI KRIVELJ	between 1st and 2nd track	215+171-215+206	platform	35,00	0,35	1,60
Brezonik	next to the line on the left	217+490-217+540	platform	50,00	0,35	1,60
BOR	next to 1st track	221+369-221+452	platform	83,00	0,35	8,00
	between 2nd and 3rd track	221+352-221+452	platform	100,00	0,35	1,60
BOR FREIGHT	between 2nd and 3rd track	224+320-224+375	platform	55,00	0,35	1,60
BORSKA SLATINA	NONE					
ZAGRAĐE	NONE					
RGOTINA	between 1st and 2nd track	244+658-244+738	platform	80,00	0,35	1,60
216. Crveni krst - Zaječar - Prahovo port						
CRVENI KRST	between 2nd and 3rd track	240+842-240+994	platform	152,00	0,40	1,60
Pantelej	next to the line on the left	7+455-7+507	platform	52,00	0,35	1,60
MATEJEVAC	NONE					
Gornja Vrežina	NONE					
Jasenovik	NONE					
GRAMADA	between 1st and 2nd track	30+232-30+282	platform	50,00	0,35	1,60
Hadžićevo	NONE					
SVRLJIG	between 1st and 2nd track	39+925-40+075	platform	150,00	0,35	1,60
Niševac	next to the line on the right	46+002-46+018	platform	16,00	0,35	1,60
PALILULA	between 1st and 2nd track	49+307-49+357	platform	50,00	0,35	1,60
Svrljiški Miljkovac	NONE					
PODVIS	between 1st and 2nd track	60+853-60+903	platform	50,00	0,35	1,60
Rgošte	NONE					
KNJAŽEVAC	between 1st and 2nd track	68+299-68+449	platform	150,00	0,35	1,60
Gornje Zuniče	next to the line on the right	72+080-72+142	platform	62,00	0,35	1,60
Donje Zuniče	next to the line on the right	74+988-75+076	platform	88,00	0,35	1,60
MINIĆEVO	between 1st and 2nd track	81+830-81+930	platform	100,00	0,35	1,60
	between 2nd and 3rd track	81+930-81+975	platform	45,00	0,35	1,60
Selačka Reka	next to the line on the right	84+450-84+500	arranged surface	50,00	0,35	1,60
Mali Izvor	next to the line on the right	88+180-88+230	platform	50,00	0,35	1,60
Vratarnica	between 1st and 2nd track	96+048-96+098	platform	50,00	0,35	1,60
GRLJAN	between 1st and 2nd track	102+955-103+105	platform	150,00	0,35	1,60

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Timok	next to the line on the left	107+320-107+380	arranged surface	60,00	0,35	1,60
ZAJEČAR	between 1st and 2nd track	111+622-111+820	platform	198,00	0,35	1,60
	between 2nd and 3rd track	111+662-111+815	platform	153,00	0,35	1,60
	between 3rd and 4th track	111+651-111+803	platform	152,00	0,35	1,60
VRAŽOGRNAC	between 1st and 2nd track	118+760-118+910	platform	150,00	0,35	1,60
TRNAVAC	between 1st and 2nd track	124+593-124+668	platform	75,00	0,35	1,60
Čokonjar	next to the line on the left	128+500-128+550	platform	50,00	0,35	1,60
Sokolovica	next to the line on the right	131+100-131+125	platform	25,00	0,35	1,60
TABAKOVAC	between 1st and 2nd track	136+170-136+223	platform	53,00	0,35	1,60
Tabakovačka reka	next to the line on the right	138+740-138+790	platform	50,00	0,35	1,60
BRUSNIK	between 1st and 2nd track	145+616-145+696	platform	80,00	0,35	1,60
Tamnič	next to the line on the right	148+420-148+480	platform	60,00	0,35	1,60
Crnomasnica	next to the line on the right	151+323-151+364	platform	41,00	0,35	1,60
Rajac	next to the line on the right	154+430-154+505	platform	75,00	0,35	1,60
ROGLJEVO	between 1st and 2nd track	156+795-156+875	platform	80,00	0,35	1,60
Veljkovo	NONE					
Mokranja	NONE					
Kobišnica	NONE					
NEGOTIN	between 2nd and 3rd track	174+049-174+199	platform	150,00	0,35	1,60
PRAHOVO	between 2nd and 3rd track	181+974-182+054	platform	80,00	0,35	1,60
PRAHOVO PORT	NONE					
217. (Rgotina) - Open line junction 3 - Open line junction 1 - (Trnavac)						
218. Doljevac - Kastrat - Kosovo Polje						
DOLJEVAC	between 1st and 2nd track	261+419-261+527	platform	108,00	0,40	1,60
	between 2nd and 3rd track	261+419-261+526	platform	107,00	0,40	1,60
Šajinovac	NONE					
Topličkі Badnjevac	NONE					
Jasenica	NONE					
ŽITORAĐA	NONE					
Žitorađa Centar	next to the line on the left	10+925-10+977	platform	52,00	0,40	1,60
Rečica	NONE					
Lukomir	NONE					
Podina	NONE					
Babin Potok	next to the line on the right	18+726-18+774	platform	48,00	0,40	1,60
PROKUPLJE	between 1st and 2nd track	22+257-22+370	platform	113,00	0,40	1,60
Gornja Draganja	next to the line on the left	24+990-25+027	platform	37,00	0,40	1,60
TOPLIČKA MALA PLANA	NONE					
Bresničići	NONE					

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
BELOLJIN	NONE					
Toplica Milan	NONE					
PLOČNIK	NONE					
BARLOVO	NONE					
Novoselske Livade	NONE					
Pepeljevac	NONE					
Open line junction Kastrat	NONE					
Visoka	NONE					
Ljuša	NONE					
RUDARE	NONE					
Dešiška	NONE					
KOSANIČKA RAČA	NONE					
Kosanica	NONE					
KOSANČIĆ IVAN	NONE					
Vasiljevac	NONE					
Merdare	NONE					
219. Kuršumlija - Kastrat						
KURŠUMLIJA	NONE					
220. (Barlovo) - Open line junction 1 - Kuršumlija						
KURŠUMLIJA	NONE					
221. Kosovo Polje - Metohija - Peć *						
222. Kosovo Polje Freight - Open line junction 1 - (Drenica) *						

LOCAL LINES						
301. Subotica - Subotica factory						
302. Subotica - Subotica hospital						
SUBOTICA	between 1st and 2nd track	176+360-176+414	arranged surface	54,00	0,05	1,70
	between 1st and 2nd track	176+414-176+487	platform	73,00	0,25	1,60
	between 1st and 2nd track	176+487-176+838	arranged surface	351,00	0,05	1,70
	between 2nd and 3rd track	176+322-176+838	arranged surface	516,00	0,05	1,70
	between 3rd and 4th track	176+335-176+573	arranged surface	238,00	0,05	1,70
303. Kanjiža - Horgoš						
KANJIŽA	between 1st and 2nd track	123+185-123+215	platform	30,00	0,24	1,60
Martonoš	NONE					
HORGOŠ	between 1st and 2nd track	155+792-155+838	platform	46,00	0,22	1,90
	between 2nd and 3rd track	155+793-155+838	platform	45,00	0,22	1,90

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
304. Novi Sad - Novi Sad ložionica						
NOVI SAD	next to 11th track	77+836-77+950	platform	114,00	0,40	3,00
	between 11th and 10th track	77+822-77+950	platform	128,00	0,40	3,72
	between 10th and 1st track	77+835-77+887	platform	52,00	0,40	4,20
	next to 1st track	77+835-78+250	platform	415,00	0,40	4,20-8,90
	between 2nd and 4th track	77+843-78+181	platform	338,00	0,40	8,75
	between 12th and 1st track	78+104-78+250	platform	146,00	0,40	8,90
	between 14th and 13th track	78+104-78+249	platform	145,00	0,40	6,46
305. (Podbara) - Open line junction 3 - Open line junction 2 - (Kać)						
306. (Rimski šančevi) - Open line junction 1 - Open line junction 3 - (Podbara)						
307. Rimski šančevi - Bečej						
RIMSKI ŠANČEVI	NONE					
Bački Jarak	NONE					
TEMERIN	NONE					
GOSPOĐINCI	NONE					
ŽABALJ	NONE					
ČURUG	NONE					
Bačko Gradište	NONE					
Bečej predgrađe	NONE					
BEČEJ	NONE					
308. Vrbas - Sombor						
VRBAS	between 2nd and 3rd track	116+702-116+770,3	platform	68,00	0,35	1,40
	between 3rd and 4th track	116+702-116+770,3	platform	68,00	0,35	1,40
KULA	between 2nd and 3rd track	47+626 - 47+667	platform	41,00	0,25	1,52
CRVENKA	between 1st and 2nd track	54+956 - 54+986	platform	30,00	0,15	1,56
SIVAC	NONE					
Novi Sivac	NONE					
KLJAJIĆEVO	between 1st and 2nd track	75+417 - 75+456	platform	39,00	0,15	1,38
Čonoplja	between 1st and 2nd track	79+692 - 79+722	platform	30,00	0,15	1,31
SOMBOR	between 1st and 2nd track	73+417-73+477	platform	60,00	0,31	1,61
	between 1st and 2nd track	73+584-73+612	arranged surface	28,00	0,05	1,50
	between 1st and 2nd track	73+673-73+823	arranged surface	150,00	0,05	1,50
	between 2nd and 3rd track	73+417-73+477	platform	60,00	0,38	1,61
	between 2nd and 3rd track	73+584-73+612	arranged surface	28,00	0,05	1,50
	between 3rd and 4th track	73+584-73+701	arranged surface	117,00	0,05	1,50
309. Petrovaradin – Beočin - traffic suspended						
310. Apatin Fabrika - Strilić – Sombor - traffic suspended						

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
311. Bač – Karavukovo -traffic suspended						
KARAVUKOVO	NONE					
312. Bačka Palanka - Gajdobra						
GAJDOBRA	NONE					
313. (Brasina) - Open line junction Donja Borina - Zvornik Grad						
ZVORNIK GRAD	NONE					
314. Šid - Sremska Rača Nova - state border - (Bijeljina)						
ŠID	between 1st and 2nd track	116+300-116+490	arranged surface	190,00	0,10	2,50
	between 2nd and 3rd track	116+300-116+665	platform	365,00	0,45	1,60
	between 3rd and 4th track	116+300-116+677	platform	377,00	0,45	1,60
Adaševci	NONE					
MOROVIĆ	between 1st and 2nd track	12+360-12+390	platform	30,00	0,35	1,60
VIŠNJIĆEVO	between 1st and 2nd track	19+633-19+655	platform	22,00	0,35	1,60
Open line junction Rača	NONE					
SREMSKA RAČA NOVA	between 1st and 2nd track	24+169-24+205	platform	36,00	0,35	1,60
315. Kikinda - Banatsko Aranđelovo- traffic suspended						
316. Sečanj - Jaša Tomić - traffic suspended						
317. Zrenjanin Plant - Vršac - Bela Crkva						
ZRENJANIN PLANT	NONE					
Lazarevo	NONE					
Zlatica	NONE					
Banatski Despotovac	NONE					
SUTJESKA	NONE					
SEČANJ	between 1st and 2nd track	32+780-32+810	platform	30,00	0,35	1,60
	between 2nd and 3rd track	32+810-32-840	platform	30,00	0,35	1,60
BOKA	between 2nd and 3rd track	38+708-38+738	platform	30,00	0,35	1,60
KONAK	between 2nd and 3rd track	46+988-47+018	platform	30,00	0,35	1,60
Stari Lec	next to the line on the left	NONE				
VELIKA GREDA	NONE					
BANATSKO PLANDIŠTE	NONE					
Margita	NONE					
Laudonovac	NONE					
VRŠAC	between 1st and 2nd track	82+807,5-82+902,5	platform	95,00	0,40	1,60
	between 2nd and 3rd track	82+807,5-82+902,5	platform	95,00	0,40	1,60
Potporanj	NONE					
Straža	NONE					
JASENOVO	NONE					

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
Crvena Crkva	NONE					
BELA CRKVA	between 1st and 2nd track	119+067-119+097	platform	30,00	0,40	1,60
318. Pančevo Varoš - Pančevo Vojlovica						
PANČEVO VAROŠ	between 1st and 2nd track	18+105-18+345	platform	240,00	0,40	1,60
	next to 1st track	18+131-18+223	station plateau	92,00	0,40	1,60
	between 2nd and 3rd track	18+100-18+364	platform	264,00	0,40	1,60
Pančevo Strelište	next to the line on the left	1+290-1+400	platform	110,00	0,40	1,60
PANČEVO VOJLOVICA	between 3rd and 4th track	2+632-2+852	platform	220,00	0,40	1,60
	next to 4th track	2+645-2+865	platform	220,00	0,40	1,60
319. (Uljma) - Open line junction A - Open line junction B - (Jasenovo)						
320. Connecting line of Senta station: (Čoka) – junction points 22 - junction points 23 - (Orom)						
321. (Požarevac) - Open line junction Sopot Požarevački – Kostolac- traffic suspended						
322. Markovac - Resavica						
MARKOVAC	between 2nd and 3rd track	100+400-100+450	platform	50,00	0,40	1,60
	between 3rd and 4th track	100+350-100+452	platform	102,00	0,40	1,60
	between 4th and 5th track	100+350-100+448	platform	92,00	0,40	1,60
323. Ovča - Padinska Skela- traffic suspended						
324. Metohija - Prizren *						
SHUNTING LINES						
401. Bečej – Vrbas - traffic suspended						
402. Vršac - Vršac Vašarište						
VRŠAC	between 1st and 2nd track	82+807,5-82+902,5	platform	95,00	0,40	1,60
	between 2nd and 3rd track	82+807,5-82+902,5	platform	95,00	0,40	1,60
403. Alibunar – Seleuš - traffic suspended						
404. Vladimirovac – Kovin - traffic suspended						
405. Čoka - Novi Kneževac- traffic suspended						
406. Kikinda - Metanolsko sirćetni kompleks (km 6+413)						
KIKINDA	next to 1st track	160+030-160+166	platform	136,00	0,19	3,30-4,40
	between 1st and 2nd track	160+064-160+190	arranged surface	126,00	0,00	1,50
407. Bogojevo – Dunav obala - traffic suspended						
408. (Sombor) - Open line junction Strilić - Bački breg - traffic suspended						
409. Sombor – Ridica - traffic suspended						
410. (Višnjićevo) - Open line junction Rača - Sremska Rača - traffic suspended						
411. Paraćin - Stari Popovac - traffic suspended						
412. Surčin - Jakovo Bečmen						

Service point	Location	km position of the beginning and the end of platform	Platform/ arranged surface	Dimensions		
				Length (m)	Height (m)	Width (m)
1	2	3	4	5	6	7
SURČIN	NONE					
413. (Belgrade spoljna) - km 2+290 junction points – Sugar factory- traffic suspended						

***** not intended for handling of passengers

****** The lines on the territory of Kosovo and Metohija are temporarily under the supervision of UNMIK, according to the Temporary Agreement between ŽTP Belgrade and UNMIK railways, dated May 31, 2002 (records No 300/2002 - 153 dated May 31, 2002).

Appendix 9 Method for calculation of electricity consumption for train traction

Compensation for calculation of electricity consumption for train traction is determined as follows:

$$\text{Csv/brtkm} = \frac{MES.RAČ - TROš.INF}{BRTKMter + K * BRTKMput}$$

where:

Csv/brtkm – monthly rate of electric energy spent for train traction, expressed in RSD per gross-tonne km.
MES.RAČ – monthly bill amount for high voltage electric energy issued by electric energy supplier.
TROŠ.INF – monthly expenses for electric energy for train traction need used by "Infrastruktura železnice Srbije"
BRTKMter – total (all railway undertakings) monthly freight transport expressed in gross-tonne km.
К – coefficient by means of which is taken into consideration that passenger trains consume more electric energy per gross-tonne km than freight trains.
BRTKMput – total (all railway undertakings) monthly passenger transport expressed in gross-tonne km.

The compensation amount per individual RU is calculated by multiplication of monthly rate of electrical energy for train traction with gross-tonne kilometers realized by the respective RU (BRTKMter for freight service, and K* BRTKMput for passenger service):

Ntern = Csv/btkm * BRTKMtern for freight service, i.e
Nputn = Csv/btkm * К * BRTKMputn for passenger service,

where:

Ntern – compensation paid by x RU in freight service for the consumption of electrical traction, expressed in RSD.
BRTKMtern – gross-tonne kilometres realized by x RU in freight service in the given month.
Nputn - compensation paid by x RU in passenger service for the consumption of electrical traction, expressed in RSD.
BRTKMputn - gross-tonne kilometres realized by x RU in passenger service in the given month.

The compensation is paid to Infrastructure Manager on a monthly basis, based on the issued bill.

K coefficient values are as follows:

month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
K	2	1,8	1,7	1,5	1,35	1,4	1,4	1,4	1,35	1,5	1,7	1,9

Appendix 10 Railway node boundaries

NODE	Border station (service point) of the node	Chainage of the station (service point)	Entry signal from the direction	Railway line	Chainage of mandatory signal	Distance [m]
BELGRADE	Batajnica	20+700	Nova Pazova	Belgrade - Stara Pazova- Šid - state border- (Tovarnik)	21+410	710
	Ovča	12+555 / 12+653	Pančevo glavna	Belgrade Center – Pančevo Gl. - Vršac - state border- (Stamora Moravita)	13+550 / 13+647	995
	Jajince	10+988	Beli Potok (Mala Krsna)	(Belgrade) - Rakovica - Jajinci – Mala Krsna – Velika Plana	12+045	1057
	Resnik	14+059	Pinosava (Mladenovac)	Belgrade - Mladenovac - Niš - Preševo- state border- (Tabanovce)	14+848	789
	Resnik	0+000	Bela Reka (Valjevo)	Main: (Belgrade) - Resnik - Požega - Vrbnica - state border- (Bijepo Polje)	0+825	825
SUBOTICA	Naumovićevo	167+180	Žednik (Vrbas)	(Belgrade) - Stara Pazova- Novi Sad - Subotica - state border- (Kelebia)	166+376	804
	Palić	7+657	Bački vinogradi (Horgoš)	Subotica - Horgoš - state border- (Roszke)	8+549	892
	Subotica	76+685	Orom (Senta)	Banatsko Miloševo - Senta - Subotica	75+016	1669
	Subotica freight	75+861	Orom (Senta)	Banatsko Miloševo - Senta - Subotica	75+016	845
	Šebešić	123+761	Tavankut (Sombor)	Subotica - Bogojevo - state border- (Erdut)	122+915	846
NOVI SAD	Sajlovo junction and junction point	3+595	Futog (Bogojevo)	Novi Sad - Odžaci - Bogojevo	3+890	295
	Sajlovo junction and junction point	81+635	Kisač (Vrbas)	(Belgrade) - Stara Pazova- Novi Sad - Subotica - state border- (Kelebia)	82+007	372
	Sajlovo junction and junction point	3+595	Rimski Šančevi (Orlovat)	(Novi Sad) - Sajlovo junction - Rimski Šančevi – Orlovat Stop	3+959	364
	Petrovaradin	71+897	Sremski Karlovci (Inđija)	(Belgrade) - Stara Pazova- Novi Sad - Subotica - state border- (Kelebia)	71+109	788
LAPOVO	Lapovo varoš	106+302	Markovac (Velika Plana)	Belgrade - Mladenovac - Niš - Preševo- state border- (Tabanovce)	105+710	592
	Lapovo	109+597	Bagrdan (Stalać)	Belgrade - Mladenovac - Niš - Preševo- state border- (Tabanovce)	110+540	943
	Batočina	3+405	Badnjevac (Kragujevac)	Lapovo - Kraljevo - Lešak – Kosovo Polje – Đeneral Janković - state border- (Volkovo)	4+419	1014
NIŠ	Trupale	234+939	Grejač (Stalać)	Belgrade - Mladenovac - Niš - Preševo- state border- (Tabanovce)	233+934	1005
	Crveni Krst	0+000	Matejevac (Zaječar)	Crveni krst - Zaječar – Prahovo port	(0+957=3+455) 3+736	1238
	Međurovo	249+462	Doljevac	Belgrade - Mladenovac - Niš - Preševo- state border- (Tabanovce)	250+323	861
	Ćele Kula	5+461	Niška Banja (Pirot)	Niš - Dimitrovgrad - state border- (Dragoman)	6+320	859
PANČEVO	Pančevo glavna	16+069	Ovča (Beograd)	Belgrade Center – Pančevo Gl. - Vršac - state border- (Stamora Moravita)	14+878	1191
	Pančevo varoš	18+206	Banatsko Novo Selo (Vršac)	Belgrade Center – Pančevo Gl. - Vršac - state border- (Stamora Moravita)	19+242	1036
	Open line junction 2a	17+659	Jabuka (Zrenjanin)	Pančevo Gl.- Zrenjanin - Kikinda - state border- (Jimbolia)	18+160	501