

ARPÁD ÉRSEK
Minister of Transport and
Construction
of the Slovak Republic

Bratislava 21 June 2017
Number: 09140/2017/ SŽDD/z.45913-M

Dear Mr. Henrik Hololei,

in accordance with the Article 6 point 4 of Commission Regulation (EU) 2016/919 of 27 May 2106 on the technical specification for interoperability relating to the subsystem "control-command and signalling" of the rail system in the European Union, each Member State is required to draw up a national plan for the implementation of these technical specifications for interoperability. On behalf of the Slovak Republic I would like to send you our national implementation plan of the mentioned technical specifications for interoperability.

Kind regards



Mr. Henrik Hololei
DG Mobility and Transport
European Commission
B-1049 Brussel
Belgium

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The Ministry of Transport and Construction of the Slovak Republic
Nám. slobody 6, P. O. BOX 100, 810 05 Bratislava

**National plan for the implementation of the technical
specifications for interoperability relating to the "control-
command and signalling" subsystems of the rail system in the
European Union**

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Introduction

Interoperability within the meaning of Directive of the European Parliament and of the Council (EU) No. 2016/797 of 11 May 2016 on the interoperability of the rail system within the Community represents the ability of the rail system to allow the safe and uninterrupted movement of trains which achieve the required level of performance. By ensuring its objectives within the Union's rail system, it is necessary to achieve the setting of an optimal level of technical harmonization and to facilitate, improve and develop the services provided in international rail transport for each passenger and user of the services of railway companies.

The technical specifications for interoperability which serve to meet the essential requirements for ensuring the safety of the rail system imply the obligation to draw up a national plan for their implementation. In order to ensure that the intent to achieve interoperability is met, the Slovak Republic has drawn up a national plan for the implementation of the technical specifications for interoperability relating to the control-command and signalling subsystems of the rail system in the European Union.

1. Approval part

Pursuant to Article 6 point 4 of Commission Regulation (EU) 2016/919 of 27 May 2016 on the technical specification for interoperability relating to the subsystem "control-command and signalling" of the rail system in the European Union, each Member State is required to draw up a national plan for the implementation of these technical specifications for interoperability (hereinafter referred to as "TSI"). In accordance with this provision, the Ministry of Transport and Construction of the Slovak Republic (hereinafter referred to as the "MTCR SR") has drawn up a national plan for the implementation of TSI relating to the subsystem control-command and signalling. Several consultations with experts in practice were carried out during its creation. This implementation plan should be made available to the Commission as well as to the other Member States.

Processor: Ing. Katarína Magdechová
State Advisor



Approved by: Ing. Ján Farkaš
Director General of the section
railway transport and railways



2. General description of the railway network

Železnice Slovenskej republiky (hereinafter referred to as the "ŽSR") came into existence by the division of Československé štátne dráhy on 1 January 1993. On 1 January 2002, the first railway transformation took place, when Železničná spoločnosť, a.s. was established, whose activity was personal and freight transport and ŽSR as an infrastructure manager. The second step was the division of Železničná spoločnosť, a.s. as of 1 January 2005, with the formation of Železničná spoločnosť Slovensko, a.s. as a carrier operating a rail passenger service and Železničná spoločnosť Cargo Slovakia, a.s. as a carrier operating rail freight. These companies originated from Železničná spoločnosť, a.s., created during the first transformation stage. The infrastructure manager continues to be ŽSR.

ŽSR as of 31 December 2015 managed and operated lines with a total construction length of 3620.942 km. The kilometric lengths of the individual tracks are listed in Table No. 1.

Table 1 Managed Tracks

Tracks	km
Single-track	2604.241
Double-track	1016.701
Track gauge	
Tracks with a gauge of 1,435 mm	3481.450
Tracks with a gauge of 1520 mm	98.718

Due to the non-compliant technical condition, the operation of 45.544 km of tracks was suspended. Image no. 1 shows the railway network in the administration of ŽSR.

As the infrastructure manager, ŽSR operates lines and transport ensured through safety equipment of various categories and types. The relevant data are shown in Table No. 2

Table 2 Division of lines in terms of notification and safety technology

Trackside protection system	Length of secured lines in km
Automatic block	541
Automatic gate	520
Semi-automatic block	585
Lines with telephone communication	1575
Station protection system	Number of secured transports
Mechanical	147
Electro-mechanical	61
Relay	167
Electronic	40
Other	57
Train protection system	Length of secured lines in km
Continuous train protection system LS	590
ETCS L1	120
ETCS L2	50
Radio network	Length of secured lines in km
Analog	840
GSM-R	360

The train continuous protection system LS was built on tracks mostly between the year 1963 – 1999. In 2010 and 2015, the LS system was restored on the Zilina - Čadca line. On the remaining lines, the LS system is maintained only in a serviceable state and, in the event of upgrading or renewal, will be replaced by ETCS L2.

3. Characteristics of railway companies

In the Slovak Republic, the market for commercial rail transport has been liberalized since 1996. There are several rail carriers providing both passenger and freight services. These activities are carried out by the carriers on the basis of a valid license issued in accordance with European regulations. Several railway companies operating on the railways have been asked to cooperate on the creation of the national implementation plan. A list of valid licenses is published on the website of the Transport Authority, which is also the national safety authority (<http://nsat.sk/>).

Carriers operating in passenger rail transport include:

- Arriva vlaky, s.r.o.;
- LEO Express, a.s.;
- RegioJet, a.s.;
- Železničná spoločnosť Slovensko, a. s.;
- Wagon Service Travel, s. r. o.

Arriva vlaky, s.r.o.

The company Arriva vlaky is focused on long-distance and regional rail transport in the Czech and Slovak Republics. Its aim is to contribute to the liberalization of passenger rail transport. Handicapped persons can use the assistance of the company's personnel for trouble-free boarding. Notification of the transport of disabled persons can be made no later than 48 hours prior to the start of the transport operation.

LEO Express, a.s.;

LEO Express, a.s is a private transport company engaged in personal transport. The first operation was launched at the end of 2012 and it is currently operating in 4 different countries. In addition to passenger transport, it also provides additional services such as the rental of headphones and social games, the daily press and free WiFi connection.

RegioJet, a.s.;

RegioJet trains provide regular rail passenger services on routes in the Czech Republic and Slovakia. Every passenger is offered free daily press, magazines and drinks. Customers can borrow their headphones and connect to the Entertainment Portal for free, where dozens of movies, serials or e-books and games are ready for them. There is also free WiFi on the trains.

Železničná spoločnosť Slovensko, a. s.; (ZSSK)

ZSSK is a joint-stock company based in the Slovak Republic, established on 13 December 2004 and registered in the Commercial Register of the District Court of Bratislava I as of 1 January 2005. The 100% shareholder is the state on behalf of which MTCR SR is acting. The company realizes an average of 1,455 daily train connections, operates services in 69 of the 79 districts of Slovakia, stops at 690 stations and stops in the territory of Slovakia, it is a leader in the provision of passenger rail transport and a member of important European and world institutions.

Wagon Service Travel, s.r.o.

The company Wagon Service travel s.r.o is a private transport company engaged in passenger transport. In its records, it has 20 couchette cars Bcmh which are equipped for passengers with limited mobility. There are 9 WLABmee sleeping carriages in its records. The company leases couchette and sleeping cars to ZSSK and České dráhy (ČD).

The largest freight rail transport operators are:

- ZSSK Cargo, a. s.,
- Express Group, a. s.,
- Lokorail, a. s.,
- LTE Logistik a Transport Slovakia, a. s.,
- Metrans, a.s.

ZSSK Cargo, a. s.,

The company is one of the two newly established successors, which were formed on 1 January 2005 by the division of the original operator in the rail and passenger transport - Železničná spoločnosť, a. s. Its activity builds on more than 165 years of railway history in Slovakia. Its founder and 100% shareholder is the Slovak Republic, represented by the Ministry of Transport and Construction of the Slovak Republic. The main business activity of Železničná spoločnosť Cargo Slovakia, a.s., is the provision of transport services in rail freight transport. ZSSK CARGO carries out transport and commercial activities on the railways under a valid license issued by the Transport Authority for the operation of transport. In addition to supplementary services directly related to freight and combined transport, the Company, as its second major product, provides services related to the rental of rolling stock, maintenance and repairs. The development of the company is oriented on long-term financial stability, maintaining the current share of transport in the economic environment of the market economy of the Slovak Republic and the European Union, competitiveness on the domestic and international market and ensuring the continuous improvement of customer satisfaction and performance improvement.

ZSSK CARGO is actively involved in the work of international organizations and is the owner of the STN OHSAS 18001: 2009 certificate and the quality certificates according to the international standard STN EN ISO 9001: 2009.

Express Group, a. s.,

As a private rail transport operator, it provides comprehensive services in freight rail transport on the territory of the Slovak Republic and the Czech Republic, secures the operation of transport on national and regional railways, including border crossing stations and railway sidings, including the performance of handling operations.

Lokorail, a. s.,

The company is a transport - shipping company, whose main activity is the provision of transport services on national railways and the operation of industrial railways and transport on industrial railways. For its customers, the company can secure the long-term rental of commonly used freight wagons.

LTE Logistik a Transport Slovakia, a. s.

The company focuses on the transport of various kinds of commodities both at home and abroad and also on logistics. It operates on the basis of a valid licence. It owns more than 30 electric and diesel locomotives.

Metrans, a.s.

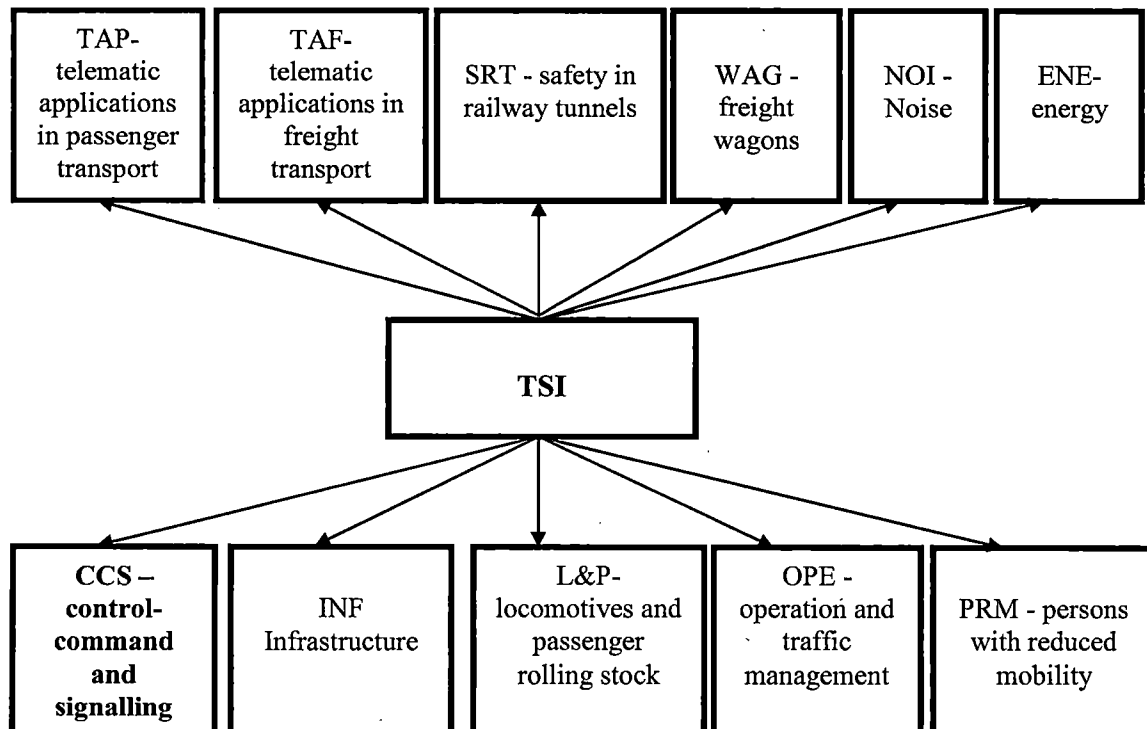
An enterprise mainly engaged in intermodal transport. It uses innovative modern technologies. It provides logistics between ports and terminals of combined transport, the repair and maintenance of locomotives, and so on.

4. Legislative background

After the accession of the Slovak Republic to the European Union, it was necessary to transpose individual EU legal acts into national legislation. In 2009, a new act of the National Council of the SR No. 513/2009 Coll. on railways and on the amendment and supplementation of certain laws was adopted. This Act transposed, inter alia, the Directive of the European Parliament and of the Council No. 2008/57/EC on the interoperability of the rail system within the Community and Directive of the European Parliament and of the Council No. 2004/49/EC on safety on the Community's railways. MTCR SR No. 350/2010 Coll. on the construction and technical order of the railways and Decree of the MTCR 350/2010 Coll. on the construction and technical order of the tracks became the implementing regulations to Act No. 513/2009 Coll. Decree of the MTCR SR No. 245/2010 Coll. was issued in the field of professional, health and psychological competence of persons in the operation of the railway and transport on the railroad.

Commission Regulation (EU) 2016/919 of 27 May 2016 concerning the technical specification of interoperability relating to the subsystem "control-command and signalling" of the rail system in the European Union is fully applicable to railway lines within the territorial scope of this TSI which are put into service as interoperable lines after the entry into force of this TSI. This also includes new, renewed or upgraded railway lines. This Regulation is directly applicable in all Member States and directly applicable by the individual participants. The SR seeks to apply as much as possible the individual TSIs and respect their superiority over national legislation.

Image 1 TSI list



In order to ensure the interoperability of the railway system, the SR is also bound by the application of EP and Council Regulation (EU) No. 1315/2013 on Union guidelines for the development of a trans-european transport network and Commission Implementing

Regulation 2017/6 on a European roadmap for the development of the European Rail Traffic Management System.

5. Defining the technical transition strategy

The process of upgrading and renewal of railway lines in connection with the OPE TSI should be based on the strategic objectives adopted in the Slovak Republic (e.g. the Strategic Plan for the Development of Transport Infrastructure of the SR by 2020) and the obligations arising from the European legislation and international agreements. In accordance with the TSI in question, the SR will send to the European Commission lists of projects at an advanced stage of development that are taking place in its territory. Under the national legislation, the following legal acts were notified:

- Act No. 513/2009 Coll. on railways and on amendments and supplements to certain laws,
- Act No. 514/2009 Coll. on railway transport,
- Decree No. 350/2010 Coll. on the construction and technical order of the tracks,
- Decree No. 351/2010 Coll. on order in transport on railway lines,
- Z 1 The rules of railway traffic,

The application of the national implementation plan is also envisaged to be partially implemented in accordance with the modernization of the tracks.

In the case of the upgrading or renewal of tracks that are part of TEN-T, the protection system is also equipped with ETCS L2 and supplemented by the GSM-R radio network.

In order to enable ETCS-free rail operations without complicated administrative procedures, the ETCS L2 system is built with light signals.

In the case of the upgrading or renewal of tracks that are not part of TEN-T, the protection equipment is supplemented by a GSM-R radio network equipped with the ETCS L2 system.

In the Strategic Plan for the Development of Transport Infrastructure of the Slovak Republic by 2020, the railway transport vision was defined in terms of transport policy and the current state of railway transport (see Table 3).

Table 3 Visions

Vision Number (VZ)	Vision
VZ 1	Balance between transport supply and transport demand
VZ 2	Balance between infrastructure supply and transport demand
VZ 3	To create conditions for the proper functioning of the railways

Source: (2)

The realization of these visions will be realized through the fulfilment of the partial strategic objectives listed in Table No. 4.

Table 4 Strategic objectives

Strategic objective number	Strategic objective
SO 1	High-quality and competitive passenger rail transport
SO 2	High-quality and competitive freight rail transport
SO 3	Modern and safe railway infrastructure
SO 4	Effective organization and planning for the development of the railways
SO 5	Economically sustainable railway

Source: (2)

These strategic objectives demonstrate that the Slovak Republic is trying to increase the competitiveness of rail transport and to strengthen its position on the transport market as much as possible.

6. The current state of the subsystem in the SR

The aim of this chapter is to submit a brief overview on the current state of the subsystem control-command and signalling and its characteristics in the Slovak Republic.

6.1. Overview of the state of the subsystem in the SR

The railway infrastructure of the SR is generally characterized by a high network density but a low line speed on the railway lines resulting, among other things, from infrastructure obsolescence. The SR endeavours to meet the requirements for fixed equipment that are necessary to achieve interoperability, thus fully respecting the TSI CCS.

As part of the modernization of the railway infrastructure, the final stage of the implementation of the Transport Operational Program for 2007 - 2013 was completed in 2014. In the previous year, investment shares were realized in the total amount of 277.111 mil. EUR (in 2013 – 325.4 million. EUR) targeting in particular the modernization of railway infrastructure. Through investments, components of the railway infrastructure were upgraded, namely:

- Railway stations
- Track superstructure and substructure
- traction lines,
- protection equipment,
- the construction of railway bridges, etc.

The most significant investment activities in 2014 and 2015 in relation with the TSI CCS are:

- the modernization of the railway line in the section Nové Mesto n. Váhom – Púchov (section Zlatovce - Trenčianska Teplá, Trenčianska Teplá - Ilava - Beluša, Beluša - Púchov);
- the modernization of the Púchov - Žilina railway line (section Púchov - Považská Teplá, Považská Teplá - Bytča),
- The deployment of ETCS in the corridor VI: Žilina - Čadca - SR / CR state border,
- Implementation of GSM-R into the ŽSR network, section Bratislava - Žilina - Čadca - SR / CR state border.

As part of these activities, the requirements of the TSI CCS (Commission Decision 2012/88/EU) were followed. The aim is to ensure an optimal upgrading process.

ZSSK Cargo, a.s. vehicles are currently equipped, in particular, with control-command and signalling subsystems in accordance with the technical equipment of ŽSR infrastructure, outside the ETCS system. The overview of individual ZSSK Cargo a.s. vehicles, is shown in table No. 5.

Table 5 Overview of ZSSK Cargo, a.s. vehicles

Train protection system (TPS)	PRV series	Radio station	Number from the PRV records numbers	Number from the transmission code TPS	Number from GSM-R	Number from AutoSTOP RIA TRS
MIREL VZ1	125.8, pair	None	18	0	0	0
	125.8 pair Total value		18	0	0	0
	131, pair	Kapsch	12	12	0	0
		VS 67	28	28	28	28
		None	10	10	0	0
	131, pair Total value		50	50	28	28
	183	GM 300	2	2	0	0
		Kapsch	2	2	0	0
		VR 20/50	1	1	0	0
		VR 21	2	2	0	0
		VS 67	7	7	7	5
		None	6	6	0	0
	the total value of 183		20	20	7	5
	210	VR 20/21	1	1	0	0
		VR 20/50	1	1	0	0
	210 Total value		2	2	0	0
	240	GM 380	1	1	0	0
		VR 20/21	1	1	0	0
		VS 67	21	21	5	12
		None	9	9	0	0
	240 Total value		32	32	5	12
	363	Kapsch	3	3	0	0
		VS 67	20	20	20	17
	363 Total value		23	23	20	17
	731	GM 300	1	1	0	0
		VR 20/50	1	1	0	0
		VR 20/50 + KAPSCH	2	2	0	0
		VR 21	2	2	0	0
		VR20/50	3	3	0	0
		None	1	1	0	0
		Motorola	1	1	0	0
	731 Total value		11	11	0	0
	736	GM 360	24	24	0	0
	736 Total value		24	24	0	0
	742	GM 300	1	1	0	0
		GM 380	2	2	0	0
		VR 20/21	1	1	0	0
	742 Total value		4	4	0	0
	746	VS 67	17	17	0	0

	746 Total value		17	17	0	0
	751	GM 380	7	0	0	0
		GM300	1	0	0	0
		VR 20/21	2	0	0	0
		VS 67	4	0	3	0
		None	26	7	0	0
	751 Total value		40	7	3	0
	752	GM 300	3	0	0	0
		None	6	3	0	0
	752 Total value		9	3	0	0
	756	GM 380	1	1	0	0
		VS 67	9	9	0	0
	756 Total value		10	10	0	0
	773.8.	VS 67	10	10	0	0
	773.8 Total value		10	10	0	0
MIREL OR1 Total value			270	213	63	62
LS	210	GM 380	3	0	0	0
	210 Total value		3	0	0	0
	742	GM 380	15	15	0	0
		VR 20/21	2	2	0	0
		VS 67	2	2	0	0
		None	2	2	0	0
	742 Total value		21	21	0	0
	751	None	2	0	0	0
	751 Total value		2	0	0	0
	752	VR 20/21	1	0	0	0
		None	3	0	0	0
	752 Total value		4	0	0	0
	770	GM 380	2	0	0	0
		VR 20/21	5	0	0	0
		None	1	0	0	0
	770 Total value		8	0	0	0
	771	Bosch	5	0	0	0
		VR 20/21	5	0	0	0
		VR 21	1	0	0	0
	771 Total value		11	0	0	0
	810	VR 20/21	1	1	0	0
	810 Total value		1	1	0	0
LS Total value			50	22	0	0
None	199	None	9	0	0	0
	199 Total value		9	0	0	0
	210	VR 20/21	1	0	0	0
	210 Total value		1	0	0	0
	742	Bosch	5	0	0	0

		GM 300	3	0	0	0
		GM 380	7	0	0	0
		VR 20/21	12	0	0	0
		VR 20/50	1	0	0	0
		VR 21	1	0	0	0
		VS 67	1	0	0	0
		None	14	0	0	0
	742 Total value		44	0	0	0
	770.8.	GM 380	1	0	0	0
		VR 20/21	1	0	0	0
		VR 21	3	0	0	0
	770.8 Total value		5	0	0	0
	771.8.	VR 20/21	3	0	0	0
		VR 21	2	0	0	0
	771.8 Total value		5	0	0	0
No total value			64	0	0	0
Total sum			384	235	63	62

The stated Table No. 5 determines the number of individual powered railway vehicles of different series and their equipment with a train protection system and the GSM - R system.

6.2. Overview of the state of the subsystem in the SR - Operating rules

The individual operating regulations of ŽSR as well as the national legislation of the SR are not in contradiction with the rules resulting from the TSI CCS. The aim is to ensure the application of the TSI CCS to the highest possible extent, as well as the elimination or updating of national regulations in line with the newly developed technical specifications for interoperability.

6.3. Measurements for an open market for Class B train protection systems

ŽSR, as part of the measures taken to ensure open market conditions for the original Class B train protection systems, the technical specifications of the line train protection system LS does not change, the LS system is maintained in the serviceable state and replaced by the ETCS L2 system in case of upgrading or renewal of the security device.

The individual carriers shall take action in accordance with the regulations of the infrastructure manager, which is ŽSR.

ZSSK Cargo, a.s. uses the following internal regulations in this area:

- regulation ZSSK Cargo No. T 108 - Operation and maintenance of train protection equipment
- regulation FMD ČSD No. T 128 - Maintenance of train protection equipment.

Individual stakeholders are seeking to develop their rules in such a way as to comply as far as possible with European legislation (in particular the relevant technical specifications for interoperability).

7. Planning

The main objective is to provide a modern, interoperable, safe, efficient, affordable and environmentally friendly rail infrastructure to increase its use by both passenger and freight rail. Given the current state of infrastructure, this objective can only be achieved by a comprehensive modernization and renewal of railway lines.

7.1. The scope of the upgrade and renewal

As part of the preparation and implementation of projects for the modernization and rehabilitation of railway lines, the requirements of European and Slovak legislation concerning the interoperability of the rail system in the Community must be respected.

The modernization of the railway infrastructure will be completed by the final stage of the implementation of the Transport Operational Program 2007 - 2013 and the preparation of projects for the next period of the Operational Program Integrated Infrastructure 2014 - 2020 (hereinafter referred to as the "OPII"). Transport investments under the OPI should aim at integrating the different types of transport and building high-quality infrastructure - continuing the modernization of the TEN-T Core Network, in line with Regulation EP and Council No. 1315/2013 and the Commission Implementing Regulation No. 2017/6 on a European roadmap for the development of the European Rail Traffic Management System.

Table 6 TEN - T sections

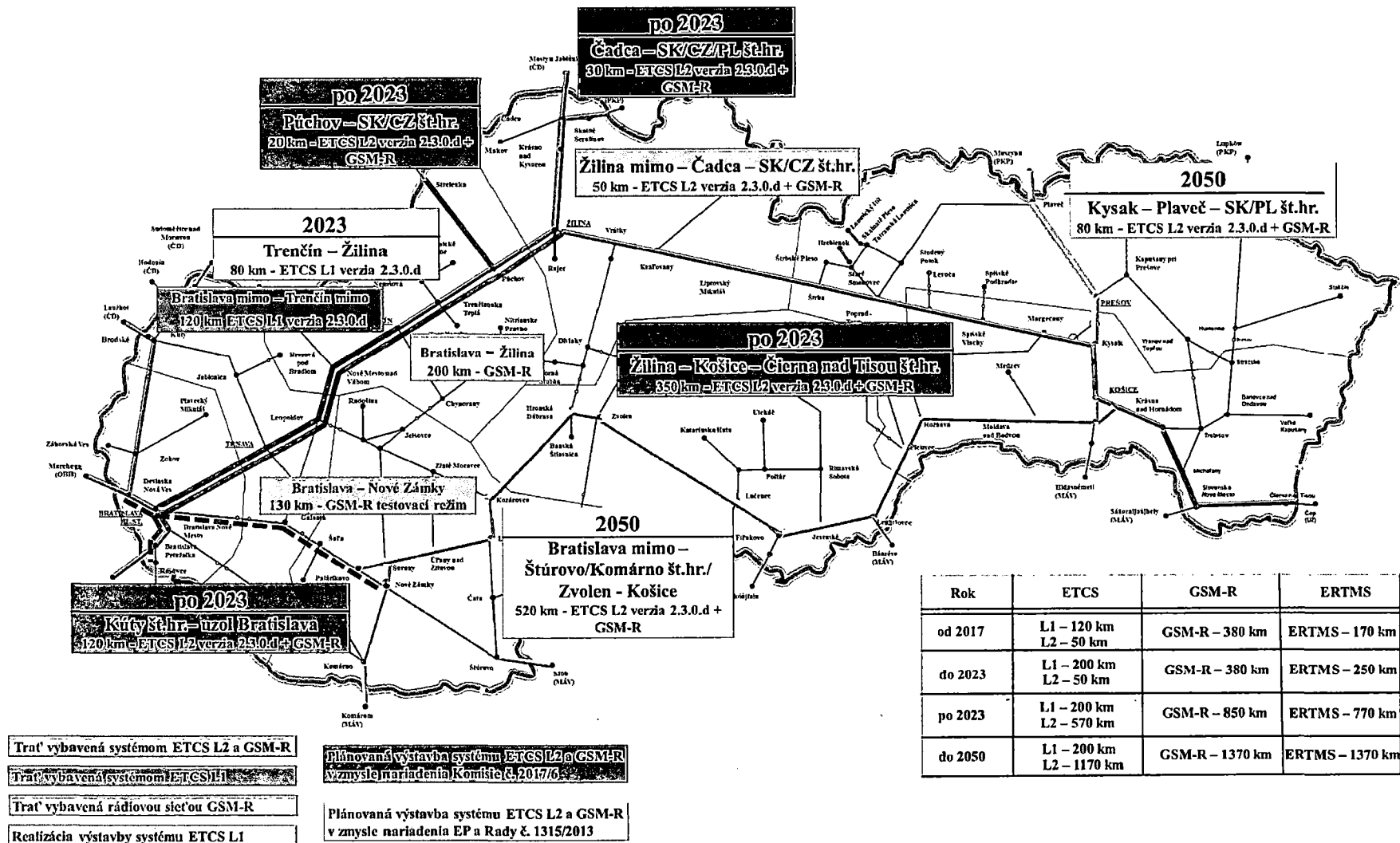
TEN-T core network (hlavná sieť)	TEN-T comprehensive network (súhrnná sieť)
<ul style="list-style-type: none">• Bratislava – Kúty – št. hr. SK/CZ	<ul style="list-style-type: none">• Púchov – Lúky pod Makytou – št. hr. SK/CZ
<ul style="list-style-type: none">• Nové Mesto nad Váhom – Žilina	<ul style="list-style-type: none">• Čadca – št. hr. SK/CZ
<ul style="list-style-type: none">• Žilina – Košice	<ul style="list-style-type: none">• Bratislava – Nové Zámky – Štúrovo – št. hr. SK/HU
<ul style="list-style-type: none">• Košice – Čierna nad Tisou – št. hr. SK/UA	<ul style="list-style-type: none">• Košice – Čaňa – št. hr. SK/HU
<ul style="list-style-type: none">• Žilina – Čadca – Skalité – št. hr. SK/PL	

Source: (2)

The priority objective of the modernization and renewal of railway lines also in terms of the control - command and signalling subsystem is to ensure the interoperability of the rail system in the Community in accordance with the requirements laid down in the applicable legislation.

The map of the ŽSR network, which shows the ERTMS deployment strategy, is shown in Fig. No. 3

Figure 2 ERTMS Deployment Strategy



Rok	ETCS	GSM-R	ERTMS
od 2017	L1 – 120 km L2 – 50 km	GSM-R – 380 km	ERTMS – 170 km
do 2023	L1 – 200 km L2 – 50 km	GSM-R – 380 km	ERTMS – 250 km
po 2023	L1 – 200 km L2 – 570 km	GSM-R – 850 km	ERTMS – 770 km
do 2050	L1 – 200 km L2 – 1170 km	GSM-R – 1370 km	ERTMS – 1370 km

7.2. Indicative deadlines for the exclusion of the class B system

As part of the implementation of modernization and restoration projects, the original LS train protection system are replaced by ETCS L2.

The terms of replacing the LS systems with the ETCS L2 are in line with Regulation EP and Council No. 1315/2013 and Commission Implementing Regulation No. 2017/6 on a European roadmap for the development of the European Rail Traffic Management System.

Carriers, under an agreement with the ŽSR and in accordance with the plan for the modernization of lines and corridors on the territory of the Slovak Republic, shall ensure the implementation of individual provisions. Each year, ZSSK Cargo, a.s. plans and implements the instalment of VS67 radio stations with GSM-R and the upgrade of the VS67 radio stations with the GSM-R module on the individual PRV in its investment plan from the area of the CCS TSI implementation.

7.3. Implementation of operational measures

The technical specifications of interoperability are applied in Slovakia to the fullest extent possible. The individual operational measures included in the internal regulations of ŽSR and carriers are based on the current technical state of the railway infrastructure of the SR, and the state of carrier vehicles with full respect for the superiority of the European legislation.

8. Financial resources and follow-up activities

In the Slovak Republic, the coverage of investment costs is ensured from various sources of coverage. This may include coverage from own resources, the state budget, EU funds, and so on.

The financial coverage of the individual activities related to the modernization, reconstruction and construction of the ŽSR infrastructure is ensured in particular by:

a) ZSRs own funds as the infrastructure manager

From its own funds, ŽSR finances investment projects and projects for the simple reproduction of assets, such as investments to ensure the operation of the railway infrastructure, to increase the safety of railway transport as well as for the traveling public, to increase the travel culture, as well as to eliminate the emergency conditions on railway lines, facilities and objects, to eliminate operational track speed limitations and to invest in information and telecommunication technologies.

b) from other sources:

- financing from the state budget (SB),
- funding from EU sources + co-financing from SB sources
- financing from ŽSR loans.

Resources from the SR for the modernization and development of the railway transport route are provided on the basis of a grant agreement concluded in the respective budget year between ŽSR and the MTCR SR. Funds are specified in the contract for specific investment projects. Within the purpose of use, the list includes mainly investment projects related, or closely linked to projects and buildings funded by the EU. This particularly involves the financing of expenditure on project documentation, engineering activity, property settlement of the building, implementation of some building objects and operational complexes and the financing of expenditure not eligible for EU funding. Furthermore, investment projects related to the provision of railway infrastructure development and rail transport safety are also financed from the public administration budget. This concerns in particular the increase in safety at railway crossings.

ZSSK Cargo, a. s.

ZSSK Cargo, a.s. ensures the coverage of individual projects, mainly from own resources. In ZSSK Cargo's investment plan, the "Radiofication of HDV " project is set until 2021. According to the financial possibilities, this represents the equipment 16 HDV/annually VS67 radio with GSM-R.

8.1. Follow-up and feedback

ŽSR administers property in compliance with the law of the National Council of the Slovak Republic No. 258/1993 Coll. on Railways of the Slovak Republic. The data concerning the railway network is recorded in its information system. Railway network information should be registered in accordance with Commission Implementing Decision 2014/880/EU of 26 November 2014 on common specifications for the Register of Railway Infrastructure and repealing Implementing Decision 2011/633/EU. The administrator of the National Infrastructure Register in the Slovak Republic is the Transport Authority (address: Letisko M. R. and the ŽSR cooperates intensively in the provision of infrastructure data in the ŽSR administration in accordance with Commission Implementing Decision 2014/880/EU.

8.2. Schedule update

An update of the national implementation plan for the implementation of TSI CCS will be carried out "ad hoc", depending on the changes in the legislation and on the requirements regarding the adjustment of the methods and the levels of financing. Its implementation will be ensured by the MTCR SR in cooperation with stakeholders.

Conclusion

The SR is intensively engaged in the question of interoperability and considers it to be of significant importance. It strives to ensure the fulfilment of requirements in this area. It is moving towards achieving this goal by transposing and monitoring the implementation of European legislation.

The objective of the material in question was to provide an overview of the state of the subsystem in the Slovak Republic under the TSI CCS and of the financing methods for increasing its level. The subject of the implementation plan, together with the Infrastructure Register and the Vehicle Register, is to ensure the availability of data on railway infrastructure and vehicles from different perspectives. The plan will be updated on a regular basis, so that the Commission and other Member States can be made aware of changes related to the issue in question in the Slovak Republic. Member States will be informed of national implementation plans for each TSI via the MTCR SR web site. The required level of the elaborated plan was also ensured through consultation with several experts from the given issue.

List of abbreviations

CR	Czech Republic
TA	Transport Authority
EUAR	European Union Agency for Railways
EU	The European Union
PRV	Powered rail vehicle
MTCR SR	Ministry of Transport and Construction of the Slovak Republic
OPII	Operational Program Integrated Infrastructure
SR	The Slovak Republic
RIA	Railway Infrastructure Administration
SB	state budget
TSI	technical specifications for interoperability
	TSI CCS technical specifications for interoperability of the control-command and signalling subsystem
ŽSR	Železnice Slovenskej republiky

Resources used

- (1) Strategic Plan for Development of Transport Infrastructure of the Slovak Republic by 2020
- (2) Gašparík, J., Blaho, P., Lichner, D. : *Railway transport operation - basics of railway traffic*, ISBN 978 - 80 - 554 - 0996 - 2

The list of annexes

Annex 1 ŽSR Template

Annex 2 Template ZSSK Cargo, a. s.

Annex 3 Template ZSSK, a. s.

Annex 1 ŽSR Template

		Question 1	Question 2	Question 3	Question 4	Question 5
TSI CCS requirements (Commission Regulation (EU) No. 2016/919)		When is this requirement to be implemented or when is it planned to be implemented?	How is this requirement implemented in your Member State?	a) Is there a national regulation that addresses this requirement? If yes, what is it called/what is the link to it? b) Can this regulation be cancelled? If not why?	Does this requirement require a specific case or does it mean that the TSI should be supplemented?	Who is responsible for this process?
3. Essential requirements for Control - Command and Signalling Subsystems						
3.2.1.	Safety	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Act No. 513/2009 Decree 205/2010 Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: The laws and regulations cover a wider area than the TSI.	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
3.2.2.	Reliability and readiness	Date: 27 May 2016	Explanation:	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Act No. 513/2009	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

			During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	Decree 205/2010 Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: The laws and regulations cover a wider area than the TSI.	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
3.2.3.	Health	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
3.2.4.	Environmental protection	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the

			CCS			Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
3.2.5.	Technical compatibility	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
3.2.5.1.	<i>Compatibility of the design</i>					
3.2.5.1.1.	External physical conditions	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Decree 350/2010 Decree 205/2010 Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: The laws and regulations cover a wider area than the TSI.	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
3.2.5.1.2.	Internal electromagnetic compatibility on railways	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Decree 350/2010 Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

			implemented in the sense of the TSI CCS	Justification: The laws and regulations cover a wider area than the TSI.	Text with the justification:	Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
3.2.5.2.	Compatibility of control – command and signalling	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4. Characteristics of subsystems						
4.1.1.	Basic parameters	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.1.2.	Summary of requirements	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.1.3.	Parts of the "control-command and	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

	signalling" subsystems			Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input type="checkbox"/> Other:
4.2.	<i>Functional and technical specifications of the subsystems</i>					
4.2.1.	Safety characteristics of the "control-command and signalling" subsystem related to interoperability	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.1.1.	Safety	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.1.2.	Reliability/	Date: 27 May 2016	Explanation:	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

	readiness		During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.2.	Functionality of on-board ETCS equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.3.	Functionality of on-board ETCS equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No.

						513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.4.	Mobile Communication Functions for Railways - GSM-R	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.2.4.1.	Basic communication function	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.4.2.	Voice communications applications	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure. <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No.

						513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.4.3.	Data communication applications for ETCS	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.5.	ETCS and GSM-R interfaces over the airspace	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.5.1.	Radio communication with a train	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not

			CCS			a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.5.2.	Eurobalise communication with a train	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.5.3.	Euroloop communication with a train	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.6.	<i>Internal interfaces of on-board equipment with control-command and signalling</i>					

4.2.6.1.	ETCS and Class B train protection	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.6.2.	The interface between data radio communication of GSM-R and ETCS	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.6.3.	Measurement of speed	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

4.2.7.	<i>Internal interfaces of track-side equipment with control-command and signalling</i>					
4.2.7.1.	Functional interface between RBC centres	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.7.2.	RBC/RBC	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.7.3.	GSM-R/ETCS trackside equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of

			implemented in the sense of the TSI CCS		justification:	railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.7.4.	Eurobalise/LEU	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.7.5.	Euroloop/LEU	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.8.	Key management	Date: 27 May 2016	Explanation:	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

			During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.9.	ETCS-ID Management	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.10.	Trackside detection systems for trains	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to

						Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.11.	Electromagnetic compatibility between rolling stock and track-side control-command and signalling equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.12.	ETCS Driver-Machine Interface	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.2.13.	GSM-R Driver-Machine Interface	Date: 27 May 2016	Explanation: In the case of new vehicles, or the upgrading or renewal of existing vehicles, the requirement shall be implemented in	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:

			accordance with the TSI CCS.			
4.2.14.	Interface with recording of data for regulatory purposes	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.2.15.	Visibility of control-command and signalling track-side equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.2.16.	Construction of equipment used in CCS subsystems	Date: 27 May 2016	Explanation: During the construction, upgrading or renewal of a CCS subsystem, in the case of new vehicles, or the upgrading or renewal of existing	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on

			vehicles, the requirement shall be implemented in accordance with the TSI CCS.			the application of TSI CCS requirements.
4.3.	<i>The functional and technical specifications of the interfaces with other subsystems</i>					
4.3.1.	Interface with the "operation and traffic management" subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.3.2.	Interface with the "rolling stock" subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.3.3.	Interfaces with the "infrastructure" subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.3.4.	Interfaces with the "energy" subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page):	Special <input type="checkbox"/> requirements: Supplementation of TSI:	Railway Company <input type="checkbox"/> Manager of

				b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	<input type="checkbox"/> Text with the justification:	Infrastructure <input type="checkbox"/> Other:
4.4.	<i>Operating regulations</i>					
4.5.	Maintenance regulations	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.5.1.	Responsibility of the device manufacturer	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.5.2.	Responsibility of the applicant for verification of the subsystem	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

			implemented in the sense of the TSI CCS		Text with the justification:	Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.6.	Professional competence	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.7.	Health and safety conditions	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
4.8.	Registry	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page):	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/>

				b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Text with the justification:	Other:
5. Interoperability constituents						
5.2.	<i>List of interoperability constituents</i>					
5.2.1.	<i>Basic interoperability constituents</i>	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.2.2.	Grouping of interoperability constituents	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.3.	The characteristics and specifications of constituents	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No.

513/2009 Coll.) decides on the application of TSI CCS requirements.

6. Conformity assessment and / or suitability of constituents for the use and verification of subsystems

6.1.1.	<i>General principles</i>					
6.1.1.1.	Compliance with the basic parameters	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body (hereinafter referred to as the "NB") in cooperation with the equipment manufacturer and the contractor.
6.1.1.2.	Essential requirements fulfilled by national regulations	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.1.1.3.	Incomplete implementation of the requirements for this TSI	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in

					justification:	cooperation with the equipment manufacturer and the contractor.
6.1.2.	<i>ETCS and GSM-R testing guidelines</i>					
6.1.2.2.	Operational test scenarios	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.1.2.3.	Requirements	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: European Railway Agency in cooperation with MTCR SR, notified body, equipment manufacturer and contractor.
6.2.	<i>Interoperability constituents</i>					
6.2.1.	Assessment procedures for control-command and signalling interoperability constituents	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/>

					Text with the justification:	Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.2.2.	Modules for control-command and signalling interoperability constituents	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.2.3.	Assessment requirements	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.2.4.	<i>Specific questions</i>					
6.2.4.1.	Compulsory tests of on-board ETCS equipment	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer

					Text with the justification:	and the contractor.
6.2.4.2.	Specific Transmission Module (STM)	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: MTCR SR in cooperation with the notified body, with the manufacturer of the equipment and the contractor.
6.2.5.	Additional tests	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.2.6.	Content of the EC declaration of conformity	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.

6.3.	<i>"Control-command and signalling" subsystems</i>					
6.3.1.	Procedures for assessing "control-command and signalling" subsystems	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.3.2.	<i>Modules for "Control-command and signalling" subsystems</i>					
6.3.2.1.	Vehicle subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the manufacturer.
6.3.2.2.	Trackside subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.3.2.3.	Terms of use of modules for vehicle	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

	trackside subsystems			Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the manufacturer.
6.3.3.	Assessment requirements for an on-board subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the manufacturer.
6.3.4.	Assessment requirements for the trackside subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.4.	<i>Provisions for partial compliance with TSI requirements</i>					
6.4.1.	Assessment of parts of the "control-command and signalling" subsystems	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/>

				Justification:	Text with the justification:	Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.4.2.	Assessment in case of the application of national regulations	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.4.3.	<i>Partial compliance with the requirements due to the limited application of TSI</i>					
6.4.3.1.	Interoperability constituents	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.4.3.2.	Subsystems	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer

						and the contractor.
6.4.3.3.	Content of certificates	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.4.4.	Confirmation of partial verification	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
6.5.	Compatibility tests and error management	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: Notified body in cooperation with the equipment manufacturer and the contractor.
7.	<i>Implementation of the TSI related to control-command and signalling</i>					
7.2.	<i>Generally applicable rules</i>					

7.2.1.	Modernization or renewal of "control-command and signalling" subsystems or parts thereof	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
7.2.2.	The original systems	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
7.2.3.	Availability of specific transfer modules	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: MTCR SR

					justification:	
7.2.4.	Additional Class B equipment on a line equipped with Class A equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
7.2.5.	Rolling stock vehicles with Class A and Class B equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: MTCR SR In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
7.2.6.	Conditions for mandatory and optional functions	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

			implemented in the sense of the TSI CCS	Justification:	Text with the justification:	Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
7.3.	<i>Specific rules for the implementation of GSM-R</i>					
7.3.1.	Trackside equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
7.3.2.	Vehicle equipment	Date: 27 May 2016	Explanation: In the case of new vehicles, or the upgrading or renewal of existing vehicles, the requirement shall be implemented in accordance with the TSI CCS.	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:

7.4.	<i>Specific rules for implementing ETCS</i>					
7.4.1.	Trackside equipment	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.
7.4.2.	<i>Vehicle equipment</i>					
7.4.2.1.	New vehicles	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.4.2.2.	Modernization and renewal of existing vehicles	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.4.3.	National requirements	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

				Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input type="checkbox"/> Other: MTCR SR
7.4.4.	National implementation plans	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: MTCR SR
7.5.	Specific rules for the implementation of train detection systems	Date: 27 May 2016	Explanation: During constructing, upgrading or renewing, the requirement is implemented in the sense of the TSI CCS	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: In the case of railway lines which are not a part of the TEN-T, the Ministry (pursuant to Section 102 of Act No. 513/2009 Coll.) decides on the application of TSI CCS requirements.

Annex A

By discretion, indicate or briefly describe the implementation of Annex A or, as the case may be, your comments.

During the construction, upgrading or renewing, the specifications defined in Annex A shall be fully applied.

Annex G

If necessary, please provide your comments.

Annex 2 Template ZSSK Cargo, a. s.

		Question 1	Question 2	Question 3	Question 4	Question 5
<p align="center">TSI CCS requirements (Commission Regulation (EU) No. 2016/919)</p>		When is this requirement to be implemented or when is it planned to be implemented?	How is this requirement implemented in your Member State?	<p>c) Is there a national regulation that addresses this requirement? If yes, what is it called/what is the link to it?</p> <p>d) Can this regulation be cancelled? If not, why?</p>	Does this requirement require a specific case or does it mean that the TSI should be supplemented?	Who is responsible for this process?
4. Essential requirements for Control - Command and Signalling Subsystems						
3.2.3.	Safety	<p>Date:</p> <p>The term is defined by the infrastructure manager, not the vehicle operator</p>	<p>Explanation:</p> <p>Parallel ETCS operating system and Class B protection for infrastructure</p>	<p>a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Link (link, title, page): not dealt with by the vehicle manager</p> <p>b) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Justification: we do not deal with it</p>	<p>Special <input type="checkbox"/> requirements:</p> <p>Supplementation of TSI: <input type="checkbox"/></p> <p>Text with the justification:</p>	<p>Railway Company <input type="checkbox"/></p> <p>Manager of Infrastructure <input checked="" type="checkbox"/></p> <p>Other:</p>
3.2.4.	Reliability and readiness	<p>Date:</p> <p>The requirement is introduced from the start of ETCS use</p>	<p>Explanation:</p> <p>System of maintenance of these devices in the range of periodic prophylactic checks</p>	<p>a) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Link (link, title, page):</p> <p>b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Justification: Needed to ensure the reliability and</p>	<p>Special <input type="checkbox"/> requirements:</p> <p>Supplementation of TSI: <input type="checkbox"/></p> <p>Text with the</p>	<p>Railway Company <input checked="" type="checkbox"/></p> <p>Manager of Infrastructure <input checked="" type="checkbox"/></p> <p>Other:</p>

				readiness of the system	justification:	
3.2.5.	Health	Date: Permanently established in accordance with other applicable legislation	Explanation: Legislation in force	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: Environmental burden	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
3.2.6.	Environmental protection	Date: Permanently established in accordance with other applicable legislation	Explanation: Legislation in force	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: it would have to be replaced by another	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: Environmental burden	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.2.5.	Technical compatibility	Date: Permanently established in accordance with other applicable legislation	Explanation: Legislation in force	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: System malfunctions when cancelling the rules	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: Compliance with functionality	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:

4.2.5.1.	<i>Compatibility of the design</i>					
4.2.5.1.1.	External physical conditions	Date: Permanently established legislation	Explanation: Legislation in force	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> E.g. Act on Railways No. 513 and No. 514 Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: Non-compliance with vehicle and infrastructure conditions	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
4.2.5.1.2.	Internal electromagnetic compatibility on railways	Date: Permanently established legislation	Explanation: Legislation in force	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): UIC decree, etc. b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: Non-compliance with technical device operating conditions	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: It is already established	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
4.2.5.2.	Compatibility of control – command and signalling	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5. Characteristics of subsystems						

5.1.1.	Basic parameters	Date: In line with most of the basic parameters, CCS devices are already operating today	Explanation: In large part, based on SR legislation	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): e.g. Regulation on security devices b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: It is already established	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.1.2.	Summary of requirements	Date: The full implementation deadline of the requirement is not addressed by the vehicle operator	Explanation: Dealt with by the infrastructure operator	a) Yes <input type="checkbox"/> No <input type="checkbox"/> assess Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification: assess	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: Without assessment	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.1.3.	Parts of the "control-command and signalling" subsystems	Date: The gradual installation of equipment into vehicles within the investment plan is carried out	Explanation: In the form of investment by individual railway system entities	a) Yes <input type="checkbox"/> No <input type="checkbox"/> probably yes Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.	<i>Functional and technical specifications of the subsystems</i>					
5.2.1.	Safety characteristics of the "control-command and signalling" subsystem related to interoperability	Date: The requirement was already introduced into the legislation	Explanation: Legislation for new production or restoration of the subsystem	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): e.g. Act on Railways No. 513	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

				b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	justification:	
5.2.1.1.	Safety	Date: Cargo does not have ETCS on its vehicles	Explanation: Cargo does not have ETCS on its vehicles	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.1.2.	Reliability/ readiness	Date: This requirement is already applied to the CCS vehicle's technical solution when approving the equipment	Explanation: All certificates and test reports for the approval of the vehicle for operation shall be submitted	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: Failure to comply with safety in case of cancellation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.2.	Functionality of on-board ETCS equipment	Date: Cargo does not have ETCS on its vehicles	Explanation: Valid national legislation	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.2.3.	Functionality of on-board ETCS equipment	Date: Must be assessed by the infrastructure manager	Explanation: Valid national legislation	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

					Text with the justification:	Other:
5.2.4.	Mobile Communication Functions for Railways - GSM-R	Date: Must be assessed by the infrastructure manager	Explanation: Vehicles are fitted with GSM-R equipment in accordance with the company's investment plan	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification: Assess the existence of national legislation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: State legislation
5.2.4.1.	Basic communication function	Date: Required parameter complied with TSI of GSM-R technical equipment	Explanation: Vehicles are fitted with GSM-R equipment in accordance with the company's investment plan	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification: Assess the existence of national legislation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.2.4.2.	Voice communications applications	Date: Required parameter complied with TSI of GSM-R technical equipment	Explanation: Vehicles are fitted with GSM-R equipment in accordance with the company's investment plan	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification: Assess the existence of national legislation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.2.4.3.	Data communication applications for ETCS	Date: Required parameter complied with TSI of GSM-R technical	Explanation: Vehicles are fitted with GSM-R equipment in	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page):	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/>

		equipment	accordance with the company's investment plan	b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification: Assess the existence of national legislation	Text with the justification:	Other:
5.2.5.	ETCS and GSM-R interfaces over the airspace	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.5.1.	Radio communication with a train	Date: Required parameter complied with TSI of GSM-R technical equipment	Explanation: Vehicles are fitted with GSM-R equipment in accordance with the company's investment plan	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.5.2.	Eurobalise communication with a train	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.5.3.	Euroloop communication with a train	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

				Justification:	Text with the justification:	Other:
5.2.6.	<i>Internal interfaces of on-board equipment with control-command and signalling</i>					
5.2.6.1.	ETCS and Class B train protection	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.6.2.	The interface between data radio communication of GSM-R and ETCS	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.6.3.	Measurement of speed	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.7.	<i>Internal interfaces of track-side equipment with control-command and signalling</i>					
5.2.7.1.	Functional interface between RBC centres	Date: Assessed by the infrastructure manager, under	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

		whose management RBC is subject to		Justification:	Text with the justification:	Other:
5.2.7.2.	RBC/RBC	Date: Assessed by the infrastructure manager, under whose management RBC is subject to	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.7.3.	GSM-R/ETCS trackside equipment	Date: Assessed by the infrastructure manager, under whose management balises are subject to	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.7.4.	Eurobalise/LEU	Date: Assessed by the infrastructure manager, under whose management balises are subject to	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.7.5.	Euroloop/LEU	Date: Assessed by the infrastructure manager, under whose management balises are subject to	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:

5.2.8.	Key management	Date: Must be assessed by the infrastructure manager	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.9.	ETCS-ID Management	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.10.	Trackside detection systems for trains	Date: Requirement implemented based on technical legislation for the approval of vehicle types	Explanation: Measurements of vehicles are carried out by authorized persons or NB persons	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.11.	Electromagnetic compatibility between rolling stock and trackside control-command and signalling equipment	Date: Requirement implemented based on technical legislation for the approval of vehicle types	Explanation: Measurements of vehicles are carried out by authorized persons or NB persons	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.12.	ETCS Driver-Machine Interface	Date:	Explanation:	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input checked="" type="checkbox"/>

				Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.13.	GSM-R Driver-Machine Interface	Date: Requirement currently implemented on the basis of valid legislation	Explanation: Installation of GSM-R equipment in accordance with TSI requirements	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): assess b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: State legislation
5.2.14.	Interface with recording of data for regulatory purposes	Date:	Explanation: The implementation of only the MIREL RM1 train event recorder	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.2.15.	Visibility of control-command and signalling track-side equipment	Date: Must be assessed by the infrastructure manager	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.2.16.	Construction of equipment used in CCS subsystems	Date: Current valid environmental legislation in use	Explanation: Only approved technical equipment is being installed	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

				Justification:	Text with the justification:	Other: State legislation
5.3.	<i>The functional and technical specifications of the interfaces with other subsystems</i>					
5.3.1.	Interface with the "operation and traffic management" subsystem	Date: Requirements for the equipment installed on the vehicle are complied with in accordance with valid legislation, some also in accordance with the TSI	Explanation: Only approved technical solutions are performed, also with the management of their operation and control	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.3.2.	Interface with the "rolling stock" subsystem	Date: Part of the said interface TSI CCS is covered by the current legislation, but not all	Explanation: Modernization of vehicles is also gradually meeting the requirements of the Rolling Stock TSI	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.3.3.	Interfaces with the "infrastructure" subsystem	Date: Part of the said interface TSI CCS is covered by the current legislation, but not all	Explanation: Modernization of vehicles is also gradually meeting the requirements of the Rolling Stock TSI	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.3.4.	Interfaces with the "energy" subsystem	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/>

				Justification:	Text with the justification:	Other:
5.4.	<i>Operating regulations</i>					
5.5.	Maintenance regulations	Date: Currently, there are valid regulations for the maintenance of CCS subsystems	Explanation: The requirement is made up by the PRV Maintenance System regulation on the basis of the decree of equipment manufacturers, and other applicable legislation	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): internal PRV Maintenance System and other legislation b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: threat to the safety of vehicle operation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
5.5.1.	Responsibility of the device manufacturer	Date: Currently, a national CCS control and maintenance system is in place	Explanation: A system of prophylactic controls of various degrees at the operator and equipment manufacturer	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): manufacturer's recommendations and other legislation b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: a threat to the reliability of equipment operation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.5.2.	Responsibility of the applicant for verification of the subsystem	Date: Currently, a national CCS control and maintenance system is in place	Explanation: A system of prophylactic controls of various degrees at the operator and equipment	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): manufacturer's recommendations and other legislation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

			manufacturer	b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: a threat to the reliability of equipment operation	justification:	
5.6.	Professional competence	Date: Installed system of audits by equipment manufacturers	Explanation: Inspection of the professional competence of companies implementing CCS subsystems in vehicles	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): e.g. ISO b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: a threat to the quality of CCS assembly	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.7.	Health and safety conditions	Date: This requirement is established on the national level	Explanation: Internal company regulations, safety regulations of the CCS manufacturer for installation and so on.	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): e.g. ISO b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: a threat to the quality of CCS assembly	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
5.8.	Registry	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

6. Interoperability constituents

5.3.	<i>List of interoperability constituents</i>					
6.2.1.	Basic interoperability constituents	Date: ZSSK Cargo vehicles do not have ETCS equipment implemented	Explanation: Vehicle parts equipment: Category B train protection system MIREL VZ1a LS, MIREL RM1 speed measurement and a radio for GSM-R voice communication	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: assess	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other: E.g. Act. No. 513/2010
6.2.2.	Grouping of interoperability constituents	Date: ZSSK Cargo currently does not have interoperability equipment installed	Explanation: ZSSK Cargo has individual equipment for protection systems, speed measurement and GSM-R voice service, cooperating on parts of vehicles to the level of functionality of a general radio stop, a so-called RADIOSTOP	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
6.3.	The characteristics and specifications of constituents	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

7. Conformity assessment and / or suitability of constituents for the use and verification of subsystems

6.1.3.	<i>General principles</i>					
6.1.3.1.	Compliance with the basic parameters	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
6.1.3.2.	Essential requirements fulfilled by national regulations	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: assess	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: other legislation
6.1.3.3.	Incomplete implementation of the requirements for this TSI	Date:	Explanation: Most of ZSSK Cargo vehicles will still be operated with incomplete TSI implementation	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
6.1.4.	<i>ETCS and GSM-R testing guidelines</i>					
6.2.2.2.	Operational test scenarios	Date: The implementation of this requirement	Explanation: The gradual need to retrofit vehicles with	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page):	Special <input type="checkbox"/> requirements: Supplementation of TSI:	Railway Company <input type="checkbox"/> Manager of

		into national legislation is recommended	equipment in accordance with the TSI or EC certificates	I think that Act No. 513/2010 b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: the need for legislation	<input type="checkbox"/> Text with the justification:	Infrastructure <input type="checkbox"/> Other:
6.2.2.3.	Requirements	Date:	Explanation: requirement	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
6.3.	<i>Interoperability constituents</i>					
6.2.5.	Assessment procedures for control-command and signalling interoperability constituents	Date:	Explanation:	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): Part of Act No. 513/2010 b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
6.2.6.	Modules for control-command and signalling interoperability constituents	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification: assess	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

6.2.7.	Assessment requirements	Date:	Explanation: Prerequisites for the development of the ETCS deployment obligation also for ZSSK Cargo vehicles	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
6.2.8.	<i>Specific questions</i>					
6.3.4.1.	Compulsory tests of on-board ETCS equipment	Date:	Explanation: The need for rigorous legislation to assess ETCS	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: probably not, assess	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
6.3.4.2.	Specific Transmission Module (STM)	Date:	Explanation: The need for rigorous legislation to assess ETCS	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, name, page): assess b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
6.3.5.	Additional tests	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/>

				Justification:	Text with the justification:	Other:
6.3.6.	Content of the EC declaration of conformity	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
6.4.	<i>"Control-command and signalling" subsystems</i>					
7.3.1.	Procedures for assessing "control-command and signalling" subsystems	Date:	Explanation: The need for rigorous legislation in the assessment	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): other legislation b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: reduction of operational safety	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input checked="" type="checkbox"/> Manager of Infrastructure <input checked="" type="checkbox"/> Other:
7.3.2.	<i>Modules for "Control-command and signalling" subsystems</i>					
7.3.2.1.	Vehicle subsystem	Date:	Explanation: The need for rigorous legislation in the assessment	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.3.2.2.	Trackside subsystem	Date:	Date:	a) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

				Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input type="checkbox"/> Other:
7.3.2.3.	Terms of use of modules for vehicle trackside subsystems	Date: 	Explanation: The need for rigorous legislation in the assessment	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: assess
7.3.3.	Assessment requirements for an on-board subsystem	Date: The requirement should be addressed by the NSA (Transport Authority of the SR, hereinafter referred to as the "TA SR"). ZSSK Cargo is required to subsequently comply.	Explanation: The requirement should be addressed by the NSA (TA SR). ZSSK Cargo is required to subsequently comply.	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.3.4.	Assessment requirements for the trackside subsystem	Date: 	Explanation: 	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

7.4. <i>Provisions for partial compliance with TSI requirements</i>						
7.4.1.	Assessment of parts of the "control-command and signalling" subsystems	Date: The requirement is currently partly dealt with in Act No. 513/2010	Explanation: TSI legislation is also currently being dealt with by the NSA (TA SR) in its internal directives	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): Act No. 513 /2010, internal directives of the TA SR b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: TA SR
7.4.2.	Assessment in case of the application of national regulations	Date: I recommend accepting the request, it will be the responsibility of the NSA (TA SR)	Explanation: The safety authority TA SR will take responsibility for assessment and decisions	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): Act No. 513/2010, internal directives of the TA SR b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: loss of legislation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other: TA SR
7.4.3. <i>Partial compliance with the requirements due to the limited application of TSI</i>						
7.4.3.1.	Interoperability constituents	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification: assess	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.4.3.2.	Subsystems	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

				Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input type="checkbox"/> Other:
7.4.3.3.	Contents of certificate	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.4.4.	Confirmation of partial verification	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.5.	Compatibility tests and error management	Date: With this requirement, it is most important that EUAR draws up an accurate list of the range of EC subsystem tests (TSI) for compatibility tests.	Explanation: At present, the specificity from the NSA (TA SR) is not exact, what range and type of test is required when approving subsystems, e.g. also CCS components	a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
8.	<i>Implementation of the TSI related to control-command and signalling</i>					

7.6.		<i>Generally applicable rules</i>				
7.6.1.	Modernization or renewal of "control-command and signalling" subsystems or parts thereof	Date: At present, partially addressed by the internal directive of TA SR, in accordance with Act. 513/2010	Explanation: Legislation under the responsibility of TA SR	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification: loss of legislation	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.6.2.	The original systems	Date:	Explanation: The properties of the original systems are approved by authorities, e.g. in the form of substantial changes, that is, a simple change of system properties is not possible	a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): especially Act No. 513/2010 b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.6.3.	Availability of specific transfer modules	Date:	Explanation: It is necessary to ensure that B-line track systems (e.g. via STMs) are operated in parallel, because only the minimum number of vehicles of public carriers at ŽSR are equipped with ETCS (system A)	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.6.4.	Additional Class B equipment on a line	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements:	Railway Company <input type="checkbox"/>

	equipped with Class A equipment		It is necessary to ensure that B-line track systems (e.g. via STMs) are operated in parallel, because only the minimum number of vehicles of public carriers at ŽSR are equipped with ETCS (system A)	Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Manager of Infrastructure <input type="checkbox"/> Other:
7.6.5.	Rolling stock vehicles with Class A and Class B equipment	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification: assess	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.6.6.	Conditions for mandatory and optional functions	Date:	Explanation: This is necessary to increase transport safety	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.7.	<i>Specific rules for the implementation of GSM-R</i>					
7.7.1.	Trackside equipment	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/>	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/>	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/>

				Justification:	Text with the justification:	Other:
7.7.2.	Vehicle equipment	Date:	Explanation: This is necessary to increase transport safety	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.8.	<i>Specific rules for implementing ETCS</i>					
7.8.1.	Trackside equipment	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.8.2.	<i>Vehicle equipment</i>					
7.8.2.1.	New vehicles	Date:	Explanation:	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.8.2.2.	Modernization and renewal of existing vehicles	Date: I recommend to fully accept this request	Explanation: This is necessary to increase transport	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page):	Special <input type="checkbox"/> requirements: Supplementation of TSI:	Railway Company <input type="checkbox"/> Manager of

			safety	b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	<input type="checkbox"/> Text with the justification:	Infrastructure <input type="checkbox"/> Other:
7.8.3.	National requirements	Date: I recommend to leave variability on national lines up to the Member States	Explanation: This will be especially necessary due to the differences in the morphological profile of the territory, the transport conditions, etc.	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.8.4.	National implementation plans	Date: I recommend to accept the request, the impact of national plans is also left there, which is good	Explanation: The need for specification according to the specific country operating conditions	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:
7.9.	Specific rules for the implementation of train detection systems	Date: I recommend to fully accept this request	Explanation: Detecting trains on the track will probably be a key milestone in the safety of railway traffic	a) Yes <input type="checkbox"/> No <input type="checkbox"/> Link (link, title, page): b) Yes <input type="checkbox"/> No <input type="checkbox"/> Justification:	Special <input type="checkbox"/> requirements: Supplementation of TSI: <input type="checkbox"/> Text with the justification:	Railway Company <input type="checkbox"/> Manager of Infrastructure <input type="checkbox"/> Other:

Annex A

By discretion, indicate or briefly describe the implementation of Annex A or, as the case may be, your comments.

Annex G

If necessary, please provide your comments.

