

Making the railway system work better for society.

List of harmonised and national restriction codes

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Document History

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1.02	08/10/2014	"0" was removed from all codes	
1.03	08/02/2018	Updated document layout. New codes from: - Agency Recommendation of project Rationalisation or vehicle-related registers (RVRR). - Finish NSA request (code 2.6.201) - NOI TSI Working Party (codes 2.7.xxx)	
1.04	17/10/2018	Corrected typo on document history date (version 1.03 correct date is 08.02.2018). No changes in document content.	
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1.13	22/09/2023	Updated table 3 and 4 according to Annex II of Regulation 2023/1695.	
1.14	15/03/2024	New code 5.1.04. Introduction updated. Harmonised restriction codes introduction updated. Section 2.5 updated: Split of LZB values in row 54. Section 2.6 updated	
1.15	27/06/2024	Table 3: typo correction (duplicated line 61)	

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INTRODUCTION

This document describes the list of harmonised and national restriction codes for the whole of the Union rail system, to be referred in ECVVR(NVR), EVR, ERATV, ERADIS and in vehicle and vehicle type authorisations delivered (OSS), as specified in the following legal texts:

National Vehicle Register / European Vehicle Register:

- Directive (EU) 2016/797:
 - Article 47(3): "The national vehicle register shall contain at least the following elements: ... (e) restrictions on how the vehicle may be used;..."
- Decision 2007/756/EC (NVR Decision)
 - Annex, Appendix 1: The Agency shall keep up-to-date and publish on its web site the list of harmonised restriction codes for the whole of the Union rail system.
 - Annex, Appendix 1: The Agency shall keep a unique list of restriction codes for the EVR, the European register of authorised types of vehicles referred to in Article 48 of Directive (EU) 2016/797, the one-stop shop and the European Railway Agency Database of Interoperability and Safety.
- Decision (EU) 2018/1614 (EVR Decision):
 - Annex II, Appendix 1: The Agency shall keep a unique list of restriction codes for the EVR, the European register of authorised types of vehicles referred to in Article 48 of Directive (EU) 2016/797, the one-stop shop and the European Railway Agency Database of Interoperability and Safety.

European Register of Authorised Types of Vehicles:

- Directive (EU) 2016/797:
 - Article 48(3): "The register shall include at least the following elements for each type of vehicle: ... (c) the data of the authorisations related to the area of use for a vehicle type, including any restrictions or withdrawals."
- Decision 2011/665/EU (ERATV Decision):
 - Article 4: "The list of harmonised restriction codes shall be the list referred to in Commission Implementing Decision (EU) 2018/1614"

Vehicle type authorisation and vehicle authorisation for placing on the market:

- Directive (EU) 2016/797:
 - Article 15(4): "The applicant shall be responsible for compiling the technical file that is to accompany the 'EC' declaration of verification. That technical file shall contain...all the elements relating to the conditions and limits of use..."
 - Article 21(10): "Vehicle authorisations for placing on the market shall state: ... (d) the conditions for use of the vehicle and other restrictions."
- Regulation (EU) 2018/545:
 - Article 20: "The applicant shall identify the intended conditions for use of the vehicle and other restrictions linked to the vehicle type"
 - Article 27(2): "In order to mitigate a situation of non-conformity the applicant may, alternatively, do one or more of the following: (b) establish conditions for use of the vehicle and other restrictions as pursuant to Article 20 ..."
 - Article 39(5):"An assessment file shall be issued by the authorising entity and shall contain the following: (a) ... and, where appropriate, conditions for use or restrictions..."
 - Article 46(4): "The authorising entity shall state the following in its decision: (a) any conditions fro use of the vehicle and other restrictions..."
 - Article 48: "The vehicle type authorisation issued by the authorising entity shall contain the following information: (....) (c) an identification of the basic design characteristics of the vehicle type: (...)(iii) the conditions for use of the vehicle and other restrictions;"

- Article 49: "The vehicle authorisation for placing on the market issued by the authorising entity shall contain the following information: (...)(d) identification of the: (...)(iii) conditions for use of the vehicle and other restrictions;"
- Annex I: "Content of the application (...)14. Conditions for use of the vehicle and other restrictions (to be specified according to Decision 2011/665/EU Annex II) (M)"
- Regulation (EU) 2019/250:
 - Annex I, II, III, IV & V: "The following conditions of use and other restrictions apply: [List or reference to the list of conditions for use and other restrictions; When a reference to a list of conditions for use and other restrictions is made, such list shall be accessible to the authorising entity"

<u>Note</u>: Coded conditions for use and other restrictions should only be added to a record being created in a register or database (ERATV, ECVVR, EVR, ERADIS) if the the value for the coded condition for use and other restrictions is not already included in one of the record's technical parameters.

For example, considering ERATV, please refer to the explanations about the *Coded conditions for use and other restrictions* included in the <u>ERATV Application guide – Directive (EU) 2016/797</u>.

ABBREVIATIONS AND REFERENCES

Abbreviations and acronyms

Abbreviation	Definition
Agency / ERA	European Union Agency for Railways
ECVVR	European centralised virtual vehicle register
ERADIS	European Railway Agency Database of Interoperability and Safety
ERATV	European register of authorised types of vehicle
EVR	European Vehicle Register
MS	Member State
NVR	National vehicle register
NSA	National safety authority
OSS	One Stop Shop
RVRR	Recommendation on the Rationalisation of vehicle-related registers
RE	Registration entity
WP	Working Party

References

[N°]	Title
[1]	Decision 2007/756/EC (NVR Decision)
[2]	Decision 2011/665/EU (ERATV Decision)
[3]	Agency Recommendation on the specification of the National Vehicle Register and the adoption of the system of organization codes in TAF and TAP TSIs (RVRR). (ERA-REC-102-2016)
[4]	EU Interinstitutional style guide
[5]	Decision (EU) 2018/1614 (EVR Decision)
[6]	<u>Directive (EU) 2016/797</u>
[7]	Regulation 2018/545
[8]	Regulation 2019/250

HARMONISED RESTRICTION CODES

This section includes the list of harmonised restriction codes for the whole of the Union rail system.

These codes are applicable in all the Member States.

If an Authorising Entity (NSA or ERA) considers that a new code needs to be added to the list of harmonised restriction codes, it will request the Agency to evaluate the inclusion of this new code.

The request must be sent to the following email address: servicedesk@era.europa.eu indicating in the subject line "List of harmonised coded restrictions – request for a restriction code" and providing justification of the need and an explanation of the new code including (format of the data, content expected)

The Agency will evaluate the request, in consultation with other Authorising Entities, where appropriate.

When appropriate, the Agency will include a new restriction code in the list.

The list of harmonised restriction codes is included in Appendix 1 - Table 1 and published on the Agency website.

<u>Note</u>: Coded conditions for use and other restrictions should only be added to a record being created in a register or database (ERATV, ECVVR, EVR, ERADIS) if the the value for the coded condition for use and other restrictions is not already included in one of the record's technical parameters.

For example, considering ERATV, please refer to the explanations about the *Coded conditions for use and other restrictions* included in the ERATV Application guide – Directive (EU) 2016/797.

NATIONAL RESTRICTION CODES

Use of national restriction codes is limited to those restrictions that reflect particular characteristics of the existing railway system of a Member State and are unlikely to be applied with the same meaning in other Member States.

For types of restrictions not indicated in the list referred to in section 0, the NSA may request the Agency the inclusion of a new code in the list of national restriction codes. The Agency will evaluate the request, where appropriate in consultation with other national safety authorities. If appropriate, the Agency will include a new restriction code in the list.

The request should include the meaning of the restriction in the language of the MS and in English. The request must be sent to the email address <u>servicedesk@era.europa.eu</u> indicating in the subject line "List of harmonised coded restrictions – request for a national restriction code" and providing justification of the need and an explanation of the new code including (format of the data, content expected).

The national restriction code is preceded by the country code as officially published and updated on the European website in the *Interinstitutional style guide* [4].

The list of national restriction codes is included in Appendix 1 - Table 2 and published on the Agency website.

UPDATING

This document will be updated following the received requests referred to sections 3 and 4.

Appendix 1 **LIST OF RESTRICTION CODES**

The structure of a code is a combination of:

- Category of restriction
- Type of restriction
- Value or specification.

Which are joint by a dot (.):

[Category].[Type].[Value or specification]

Table 1. Harmonised restriction codes

Cat	Туре	Value or specification	Name	Date ¹	Comments
1			Technical restriction related to construction		
	1	[Number]	Minimum curve radius in meters		
	2	-	Track circuit restrictions		

¹ Date of insertion in the list

Cat	Туре	Value or specification	Name	Date ¹	Comments
	3	[Number]	Speed restrictions (on the given network) in km/h		The values to be mentioned are the ones defined in the issued vehicle type authorisation and/ or vehicle authorisation for placing on the market.
					E.g., For the trainsets we should have :
					 Area of use France: Speed restrictions (on the given network) in km/h: 300km/h
					- Area of use Germany: Speed restrictions (on the given network) in km/h: 250km/h
					For the freight wagon :
					- Speed restrictions (on the given network) in km/h: 100km/h loaded and 120km/h empty
					If the system would not allow having more than once this coded restriction, a coded restriction is to be created with one speed value and a non coded restriction with the other speed values.
	4	[Number]	Use in multiple operation (maximum number of trainsets authorised to be coupled together to operate as a single train)		
2			Geographical restriction		
	1	Alphanumeric	Kinematic gauge (coding WAG TSI)		This is to be understood as the reference profile. (See 4.2.3.1 of WAG TSI)

Cat	Туре	Value or specification	Name	Date ¹	Comments
	2	Coded list	Wheelset gauge		The wheelset gauge depends on the area of use of the vehicle, several nominal track gauges exist (as referred in LOC&PAS TSI or TSI WAG): 1 435 mm, 1 520 mm, 1 524 mm, 1 600 mm, and 1 668 mm. Some of the vehicles might declare one or more wheelset gauges (e.g. 1435mm, 1668 mm)
		1	Variable gauge 1435/1520		The values to be mentioned are the ones defined in the issued vehicle type authorisation and/or vehicle authorisation for placing on the market, so If the minimum curve radius is different for 1435 mm and for 1668 mm, the values for each minimum curves radius shall be mentioned by track gage.
		2	Variable gauge 1435/1668		See explanation for previous "Variable gauge 1435/1520"
		3	Gauge 1000	08.02.2018	This is to indicate the selected gauge
		4	Gauge 1435	08.02.2018	This is to indicate the selected gauge
		5	Gauge 1520	08.02.2018	This is to indicate the selected gauge
		6	Gauge 1524	08.02.2018	This is to indicate the selected gauge
		7	Gauge 1600	08.02.2018	This is to indicate the selected gauge
		8	Gauge 1668	08.02.2018	This is to indicate the selected gauge
	3		No CCS on board		Code to be used for all non-CCS equipped vehicles (e.g. for freight wagons, code 2.3 means NO CCS on board)

Cat	Туре	Value or specification	Name	Date ¹	Comments
	4	Coded list	ERTMS on board		For the ETCS, level 1, 2 or 3 relate to trackside application level and not to the on-board equipment. The value to be mentioned is only if there is ETCS on board or not.
					E.g.: A vehicle able to operate on level 2 track is equipped with ETCS + GSM-R for ETCS, which correspond to codes 4.2.10 and 4.2.21.
		10	ETCS	08.02.2018	If the ETCS Class A train protection part is installed.
		20	GSM-R voice	08.02.2018	If the Class A voice radio communication part is installed
		21	GSM-R for ETCS	08.02.2018	If the Class A data radio communication part is installed
	5	Coded list	B System on board		If the vehicle is equipped with more than one system, an individual code for each system must be indicated.
		1xx	Class B signalling system		(see Appendix 2 - Table 3)
		2xx	Class B radio system		(see Appendix 2 - Table 4)
	6	Coded list	Other CCS systems on board		If the vehicle is equipped with more than one system, an individual code for each system must be indicated.
		1xx	Other CCS signalling systems on board		(see Appendix 2 - Table 5)
		2xx	Other CCS radio systems on board		(see Appendix 2 -Table 6)

Cat	Туре	Value or specification	Name	Date ¹	Comments
	7	Coded list	Noise category	08.02.2018	The quieter routes apply only to wagons in the scope of the Wagon TSI (refer to Article 5a of the Noise TSI).
					For wagons equipped with cast iron brake blocks the code to be used depends on the noise level of the wagon. Point 7.2.2.2 of the Noise TSI provides the different possibilities.
		1	Can be used in all quieter routes - Noise TSI compliant - Retrofitted without testing		This case applies to wagons retrofitted as explained in the second paragraph of point 7.2.2 of the Noise TSI
		2	Can be used in all quieter routes - Noise TSI compliant (tested against the Noise TSI)		Tested in this context should be understood as assessed against the Noise TSI (fully tested or assessed using the simplified method set out in point 6.2.3 of the Noise TSI)
		3	Can be used in all quieter routes - Noise TSI compliant - Noise emissions at least 3 dB below the relevant value set out in the Noise TSI (tested against the Noise TSI)		Tested in this context should be understood as assessed against the Noise TSI (fully tested or assessed with the simplified method set out in point 6.2.3 of the Noise TSI)
					Note: The value of 3 dB was specified in the repealed Regulation (EU) 2015/429. This regulation allowed additional discounts from track access charges for very quiet wagons.

Cat	Туре	Value or specification	Name	Date ¹	Comments
		4	Can be used in all quieter routes - Noise TSI not compliant - Exempted in accordance with the Noise TSI		Exemptions are set out in the first paragraph of point 7.2.2 of the Noise TSI: Wagons mostly operated on lines with a gradient of more than 40 ‰, wagons with a maximum operating speed higher than 120 km/h, wagons with a maximum axle load higher than 22.5 t, wagons exclusively operated for infrastructure works and wagons used in rescue trains
		5	Can be used in quieter routes only in this MS - Covered by particular implementation rules		Particular implementation rules are set out in section 7.4 of the Noise TSI
		6	Can be used in quieter routes only in this MS - Fitted with historic composite brake blocks		Historic composite brake blocks are covered by appendix E of the Noise TSI
		7	Can't be used in quieter routes		
3			Environmental restrictions		
	1		Climatic zone		The following values are defined in table 2 of clause 4.3 of EN50125-1:2014 and table 2 of clause 4.3 of EN50125-1:1999
		1	T1		
		2	T2		
		3	ТЗ		
		4	TX	08.02.2018	
4			Restrictions on use		

Cat	Туре	Value or specification	Name	Date ¹	Comments
	1		Time based		Some issued authorisation can include time- limited conditions for use. Time limitation is not a data provided by the applicant but a consequence of an authorisation decision (see Art 46(6) or regulation 2018/545)
	2		Condition based (distance travelled, wear, etc.)		The values to be mentioned are the ones defined in the issued vehicle type authorisation and/or vehicle authorisation for placing on the market. The details of any specified condition is to be specified within a non-coded restriction (e.g. concerned constituents where CV modules apply).
	3		Strictly local, historical or tourist use		
5			On-board equipment		
	1	xxx	Recording device	15.02.2012	(See Appendix 2 - Table 7)

LIST OF NATIONAL RESTRICTION CODES

No national restriction codes have been recorded.

Table 2. National restriction codes

MS	Cat	Туре	Value or specification	Name	Date ²	Comments

² Date of insertion in the list

Appendix 2

LISTS OF CODIFIED VALUES

2.5 Class B systems on board

These codes are for systems considered B systems. They are split into B systems for signalling and B systems for radio.

Following codes apply:

Table 3. Class B signalling system

2.5.1xx Cla	2.5.1xx Class B signalling system ³				
INDEX xx	NAME	Comments			
01	ALSN				
02	ASFA				
03	АТВ	Value 03 not to be used. Replaced by 25 and 26. Kept for historical data.			
04	ATP-VR/RHK				
05	BACC	Value 05 not to be used. Replaced by 57 and 58. Kept for historical data.			
06	CAWS and ATP	Value 06 not to be used. Replaced by 27 and 28. Kept for historical data.			
07	Crocodile				
08	Ebicab	Value 08 not to be used. Replaced by 31 and 32. Kept for historical data			
09	EVM				
10	GW ATP				
11	Indusi/PZB	Value 11 not to be used. Replaced by 53 and 56. Kept for historical data.			
12	KVB				
13	LS				
14	LZB	Value 14 not to be used. Replaced by 555, 59, 60 and 61. Kept for historical data.			
15	MEMOR II+	Value 15 not to be used. Kept for historical data.			
16	RETB				

³ (from Decision 2006/679/EC and <u>Annex II of Regulation (EU) 2023/1695</u>) 120 Rue Marc Lefrancq | BP 20392 | FR-59307 Valenciennes Cedex

and 58. Kept for historical data. 18 SELCAB SELCAB Value 18 not to be used. Kept for historical data. 19 SHP 20 TBL Value 20 not to be used. Replaced by 43, 44 and 45. Kept for historical data. 21 TPWS/AWS 22 TVM Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. 23 ZUB 123 24 ZUB 121 Value 24 not to be used. Kept for historical data. 25 ATB First generation 26 ATB new generation 27 ATP 28 CAWS 29 Chiltern-ATP 30 DAAT 31 EBICAB 700 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. 32 EBICAB 900 ES 33 EUROSIGNUM 34 EUROZUB	2.5.1xx Class B signalling system ³				
and 58. Kept for historical data. SELCAB SELCAB Value 18 not to be used. Kept for historical data. 19 SHP 20 TBL Value 20 not to be used. Replaced by 43, 44 and 45. Kept for historical data. 21 TPWS/AWS 22 TVM Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. 23 ZUB 123 24 ZUB 121 Value 24 not to be used. Kept for historical data. 25 ATB First generation 26 ATB new generation 27 ATP 28 CAWS 29 Chiltern-ATP 30 DAAT 31 EBICAB 700 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. 32 EBICAB 900 ES 33 EuroSiGNUM 44 EUROZUB 35 Indusi NAUE 35 not to be used. Replaced by 53 and 56. Kept for historical data. 36 KCVB 37 KCVP 38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	INDEX xx	NAME	Comments		
historical data. 19 SHP 20 TBL Value 20 not to be used. Replaced by 43, 44 and 45. Kept for historical data. 21 TPWS/AWS 22 TVM Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. 23 ZUB 123 24 ZUB 121 25 ATB First generation 26 ATB new generation 27 ATP 28 CAWS 29 Chiltern-ATP 30 DAAT 31 EBICAB 700 32 EBICAB 900 ES 33 EuroSIGNUM 34 EuroZUB 35 Indusi 36 KCVB 37 KCVP 38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	17	RSDD/SCMT	Value 17 not to be used. Replaced by 57 and 58. Kept for historical data.		
TBL Value 20 not to be used. Replaced by 43, 44 and 45. Kept for historical data. TPWS/AWS TVM Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 24 not to be used. Kept for historical data. ATB First generation ATB new generation CAWS CAWS CAWS CHItern-ATP DAAT BEICAB 700 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. EBICAB 900 ES EUROSIGNUM EUROZUB TIMUS KCVB NALE EUROZUB KCVP KCVP Mechanical Trainstops Mechanical Trainstops MEXTEO PKP radio system with Radiostop function TEMPO Value 35 not to be used. Replaced by 53 and 56. Kept for historical data.	18	SELCAB	Value 18 not to be used. Kept for historical data.		
TPWS/AWS TVM Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. ZUB 123 ZUB 123 ATB First generation ATB new generation TWM ATP CAWS CAWS CHiltern-ATP DAAT BEICAB 700 ATB BEICAB 900 ES BICAB 900 ES Indusi KCVP KCVP KVP KVP KVBP Mechanical Trainstops MEXTEO MEXTEO PKP radio system with Radiostop function Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 25 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. KCVP KCVP REVERON KEVP REVERON MEXTEO TBL 1 TRL 1	19	SHP			
TVM Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. ZUB 123 ZUB 121 Value 24 not to be used. Kept for historical data. ATB First generation ATB new generation CAWS CAWS CHITEM-ATP DAAT EBICAB 700 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. EBICAB 900 ES LUROSIGNUM EUROSIGNUM KCVB KCVB KVBP Mechanical Trainstops MEXTEO PKP radio system with Radiostop function Value 22 not to be used. Replaced by 46 and 47. Kept for historical data. Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Value 35 not to be used. Replaced by 53 and 56. Kept for historical data.	20	TBL	Value 20 not to be used. Replaced by 43, 44 and 45. Kept for historical data.		
ZUB 123 ZUB 121 ATB First generation ATB new generation CAWS Chiltern-ATP DAAT EBICAB 700 EBICAB 900 ES SurroSIGNUM EuroZUB Thus in dusi KCVP KCVP Mechanical Trainstops Mechanical Trainstops MEXTEO TBI L1 Value 24 not to be used. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 24 not to be used. Kept for historical data. Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Value 35 not to be used. Replaced by 53 and 56. Kept for historical data.	21	TPWS/AWS			
ZUB 121 Value 24 not to be used. Kept for historical data. ZUB 121 Value 24 not to be used. Kept for historical data. ZUB 121 Value 24 not to be used. Kept for historical data. ZUB 121 Value 31 not to be used. Kept for historical data. ZUB 121 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. ZUB 121 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. ZUB 121 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. ZUB 121 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. ZUB 121 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. ZUB 121 Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. ZUB 121 Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. ZUB 121 Value 31 not to be used. Replaced by 53 and 56. Kept for historical data.	22	TVM	Value 22 not to be used. Replaced by 46 and 47. Kept for historical data.		
ATB First generation ATB new generation ATB new generation ATP ATP CAWS Chiltern-ATP DAAT EBICAB 700 EBICAB 900 ES EUROZUB Indusi KCVB KCVP KCVP Mechanical Trainstops Mechanical Trainstops MEXTEO PKP radio system with Radiostop function Table 1 ATB new generation A	23	ZUB 123			
ATB new generation 27 ATP 28 CAWS 29 Chiltern-ATP 30 DAAT 31 EBICAB 700 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. 32 EBICAB 900 ES 33 EuroSIGNUM 34 EuroZUB 35 Indusi Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. 36 KCVB 37 KCVP 38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	24	ZUB 121	Value 24 not to be used. Kept for historical data.		
ATP 28 CAWS 29 Chiltern-ATP 30 DAAT 31 EBICAB 700 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. 32 EBICAB 900 ES 33 EuroSIGNUM 34 EuroZUB 35 Indusi Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. 36 KCVB 37 KCVP 38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	25	ATB First generation			
CAWS Chiltern-ATP DAAT EBICAB 700 EBICAB 900 ES EINOSIGNUM LuroZUB Indusi KCVP KCVP Mechanical Trainstops Mechanical Trainstops MEXTEO TBL 1 CAWS Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Value 35 not to be used. Replaced by 53 and 56. Kept for historical data.	26	ATB new generation			
Chiltern-ATP Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. EBICAB 900 ES EUROSIGNUM Chiltern-ATP Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. Chiltern ATP Value 35 not to be used. Replaced by 53 and 56. Kept for historical data.	27	ATP			
DAAT BBICAB 700 BBICAB 900 ES BURDSIGNUM LUROZUB Indusi KCVB KCVP KCVP Mechanical Trainstops Mechanical Trainstops MEXTEO PKP radio system with Radiostop function LUROSIGNUM Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. NEXTEO PKP radio system with Radiostop function LUROSIGNUM Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. NEXTEO TILD THE TOTAL TO THE	28	CAWS			
BEICAB 700 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data. EBICAB 900 ES BEUROSIGNUM LUROZUB Indusi KCVB KCVP KVP Mechanical Trainstops Mechanical Trainstops Mechanical Trainstops PKP radio system with Radiostop function TBL 1 Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data.	29	Chiltern-ATP			
49, 50 and 51. Kept for historical data. EBICAB 900 ES EUROSIGNUM LUROZUB Indusi KCVB KCVP KCVP Mechanical Trainstops NEXTEO PKP radio system with Radiostop function 42 SSC TBL 1 EBICAB 700 49, 50 and 51. Kept for historical data. 49, 50 and 51. Kept for historical data. 49, 50 and 51. Kept for historical data.	30	DAAT			
EuroSIGNUM 34 EuroZUB 35 Indusi 36 KCVB 37 KCVP 38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	31	EBICAB 700	Value 31 not to be used. Replaced by 48, 49, 50 and 51. Kept for historical data.		
34 EuroZUB 35 Indusi 36 KCVB 37 KCVP 38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	32	EBICAB 900 ES			
Indusi Indusi Value 35 not to be used. Replaced by 53 and 56. Kept for historical data. KCVB KCVP KVBP Mechanical Trainstops NEXTEO PKP radio system with Radiostop function TBL 1 Value 35 not to be used. Replaced by 53 and 56. Kept for historical data.	33	EuroSIGNUM			
and 56. Kept for historical data. KCVB KCVP KVBP Mechanical Trainstops NEXTEO PKP radio system with Radiostop function TBL 1	34	EuroZUB			
37 KCVP 38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	35	Indusi	Value 35 not to be used. Replaced by 53 and 56. Kept for historical data.		
38 KVBP 39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	36	KCVB			
39 Mechanical Trainstops 40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	37	KCVP			
40 NEXTEO 41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	38	KVBP			
41 PKP radio system with Radiostop function 42 SSC 43 TBL 1	39	Mechanical Trainstops			
42 SSC 43 TBL 1	40	NEXTEO			
43 TBL 1	41	PKP radio system with Radiostop function			
	42	SSC			
44 TBL 2	43	TBL 1			
	44	TBL 2			

2.5.1xx Cla	2.5.1xx Class B signalling system ³				
INDEX xx	NAME	Comments			
45	TBL1+				
46	TVM 300				
47	TVM 430				
48	ATC v2				
49	ATC vR				
50	EBICAB 700 BU				
51	EBICAB 700 PT (CONVEL)				
52	GNT (Geschwindigkeitsüberwachung für NeiTech-Züge)				
53	INDUSI 160				
54	LZB (LZB L72, LZB L72 CE I and LZB L72 CE II)	Value 54 not to be used. Split into values 59, 60 and 61. Kept for historical data.			
55	LZB ES				
56	PZB 90				
57	SCMT + RSC				
58	SCMT				
59	LZB L72				
60	LZB CE I				
61	LZB CE II				

Table 4. Class B radio system

2.5.2xx Cla	ass B radio system ⁴	
INDEX xx	NAME	Comments
01	UIC Radio Chapter 1-4	
02	UIC Radio Chapter 1-4+6	
03	UIC Radio Chapter 1- 4 + 6 (Irish system)	
04	UIC Radio Chapter 1-4+6+7	Value 04 not to be used. Kept for historical data.
05	BR 1845	Value 05 not to be used. Kept for historical data.

 $^{^{\}rm 4}$ (from Decision 2006/679/EC and $\underline{\rm Annex~II~of~Regulation~(EU)~2023/1695})$

2.5.2xx Cla	2.5.2xx Class B radio system ⁴			
INDEX xx	NAME	Comments		
06	BR 1609	Value 06 not to be used. Kept for historical data.		
07	FS ETACS and GSM	Value 07 not to be used. Replaced by 21. Kept for historical data.		
08	UIC Radio Chapter 1-4 (TTT radio system installed at Cascais line)			
09	TTT radio system CP_N (RSC – Rádio Solo-Comboio)			
10	PKP radio system			
11	VR trainr	Value 11 not to be used. Kept for historical data		
12	TRS — The Czech Railways radio system	Value 12 not to be used. Replaced by 32. Kept for historical data.		
13	LDZ radio system			
14	CH — Greek Railways radio system (VHF)			
15	UIC Radio Chapter Bulgaria			
16	The Estonian radio system			
17	The Lithuanian radio system			
18	450 Mhz UIC (Channel C)			
19	Analogue Radio Germany - UIC 751			
20	BOSCH (160 MHz)			
21	GSM-P			
22	Multikom (160 MHz and 450 MHz)			
23	OMEGA (160 MHz)			
24	RDZ - in compliance with UIC 751-3			
25	RETB (voice)			
26	Radio Network of CFR			
27	SRO (160 MHz)			
28	Shunting Radio Communication System			
29	ZUGFUNK 95	Value 29 not to be used. Kept for historical data		
30	ZUGFUNK 2000	Value 30 not to be used. Kept for historical data		
31	Analogue railway radio system (RDU) - in compliance with UIC 751-3			
32	SRD			

2.6 Other CCS systems on board

These codes are used for systems that are neither ERTMS nor listed as class B systems. They are split into systems for signalling and systems for radio. These codes are kept for historical compatibility. No new codes are accepted in these lists.

Following codes apply:

Table 5. Other CCS signalling systems on board

2.6.1xx Oth	2.6.1xx Other CCS signalling system			
INDEX xx NAME Comments				
		Added 15.02.2012.		
01	SSC BL3	Requested by NSA IT		

Table 6. Other CCS radio systems on board

2.6.2xx Other CCS radio system			
INDEX xx	INDEX xx NAME Comments		
	TETRA-URCA (Terrestrial Trunked Radio -Unified Railway	Added 08.02.2018	
01	Communication and Application System)	Requested by NSA FI	

5.1 On-board equipment. Recording device

Following codes apply:

Table 7. On-board equipment. Recording device

5.1.xx On b	5.1.xx On board equipment - Recording Device			
INDEX xx	NAME	Comments		
01	"Registratore cronologico d'eventi computerizzato" (RCEC) according to specification RFI/DTC/CSI/SR/OR/10/002/B of 11/02/2008	Requested by NSA IT		
02	"Acquisition et Traitement des Evénements de Sécurité en Statique" (ATESS)	Added 01.10.2019 Requested by NSA FR		
		Added 01.10.2019		
03	TELOC	Requested by NSA FR		
04	Trainborne Recorder Units (TRU) NG	Added 13.10.2024		