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## List of harmonised and national restriction codes

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1.00	30/06/2011	First issue. Adapted according to draft ERATV decision.
1.01	13/04/2012	Code 05.01 added, update of reference to ERATV
1.02	08/10/2014	“0” was removed from all codes
1.03	08/02/2017	Updated document layout. New codes from: <ul style="list-style-type: none"> <li>- Agency Recommendation of project Rationalisation of vehicle-related registers (RVRR).</li> <li>- Finish NSA request (code 2.6.201)</li> <li>- NOI TSI Working Party (codes 2.7.xxx)</li> </ul>

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## 1. INTRODUCTION

The NVR Decision [1] includes in its Appendix 1 a list of coded restrictions.

In the discussions held among the Agency and the registration entities (REs) of the Member States (MS), it has been considered convenient to have a possibility of adding to this list other restrictions that are not yet on the list.

The Agency has no competence for amending the list of coded restrictions in the NVR specification. Restrictions not included in Appendix 1 of the NVR specification have to be recorded as non-coded restrictions.

This document presents a pragmatic solution consisting of a “pre-codification” of non-coded restrictions, so that these “pre-codes” may be used in the NVR. ERATV Decision [2] includes a provision for the Agency management of a list of codes for restrictions

This document includes codes:

- indicated in the NVR Decision [1]
- identified by the ERATV work party
- identified in Agency Recommendation on the rationalisation of vehicle-related registers [3] (RVRR recommendation)
- other codes requested for inclusion by NSAs or considered by the Agency.

## 2. ABBREVIATIONS AND REFERENCES

### 2.1. Abbreviations and acronyms

Abbreviation	Definition
ERATV	European register of authorised types of vehicle
MS	Member State
NVR	National vehicle register
NSA	National safety authority
RVRR	Rationalisation of vehicle-related registers
RE	Registration entity

### 2.2. References

[N°]	Title	Reference	Version
[1]	<a href="#">Decision 2007/756/EC</a> (NVR Decision)	OJ L 305, 23.11.2007	As last amended by Commission Decision 2011/107/EU of 10 February 2011 (OJ L 43, 17.2.2011) Decision 2012/757/EU of 14 November 2012 (OJ L 345, 15.12.2012)
[2]	<a href="#">Decision 2011/665/EU</a> (ERATV Decision)	OJ L 264, 8.10.2011	
[3]	<a href="#">Agency Recommendation</a> on the specification of the National Vehicle Register and the adoption of the system of organization codes in TAF and TAP TSIs (RVRR Recommendation).	ERA-REC- 102-2016	<a href="http://www.era.europa.eu/Document-Register/Pages/Recommendation-on-Rationalisation_of_Vehicle_Related_Registers.aspx">http://www.era.europa.eu/Document-Register/Pages/Recommendation-on-Rationalisation_of_Vehicle_Related_Registers.aspx</a>

[N°]	Title	Reference	Version
[4]	<a href="#">Interinstitutional style guide</a>	EU Publications office, Style guide, Annex A6	<a href="http://publications.europa.eu/code/en/en-5000600.htm">http://publications.europa.eu /code/en/en-5000600.htm</a>

### 3. HARMONISED RESTRICTION CODES

This section includes

- coded restrictions as defined in the NVR Decision [1],
- harmonised pre-coded restrictions.

Types of restrictions indicated in this section are coded in a harmonised way for the whole of the Union rail system. These codes and pre-codes are applicable in all the Member States.

If an NSA 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 “registers” followed by “@era.europa.eu” indicating in the subject line “vehicle restrictions”.

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

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

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

#### 4. 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 3, 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 “registers” followed by “@era.europa.eu” indicating in the subject line “vehicle restrictions”.

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

The code for multinational safety authorities is composed in the same way. The following code is used:

Multinational safety authority	Code
Channel Tunnel Intergovernmental Commission	CT

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

## **5. UPDATING**

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



**Appendix 1****LIST OF RESTRICTION CODES AND PRE-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 and pre-codes**

Cat	Type	Value or specification	Name	Date of insertion in the list	Source
<b>1</b>			<b>Technical restriction related to construction</b>		
	1	[Number]	Minimum curve radius in meters		NVR specification
	2	-	Track circuit restrictions		NVR specification
	3	[Number]	Speed restrictions (on the given network) in km/h		Identified by ERATV WP
	4	[Number]	Use in multiple operation (maximum number of trainsets authorised to be coupled together to operate as a single train)		Identified by ERATV WP
<b>2</b>			<b>Geographical restriction</b>		
	1	Alphanumeric	Kinematic gauge (coding WAG TSI)		NVR specification
	2	Coded list	Wheelset gauge		NVR specification
		1	Variable gauge 1435/1520		
		2	Variable gauge 1435/1668		
		3	Gauge 1000	08.02.2018	Requested by NSA ES
		4	Gauge 1435	08.02.2018	RVRR recommendation

Cat	Type	Value or specification	Name	Date of insertion in the list	Source
		5	Gauge 1520	08.02.2018	RVRR recommendation
		6	Gauge 1524	08.02.2018	RVRR recommendation
		7	Gauge 1600	08.02.2018	RVRR recommendation
		8	Gauge 1668	08.02.2018	Requested by NSA ES
	3		No CCS on board		NVR specification
	4	Coded list	ERTMS on board		NVR specification
		10	ETCS	08.02.2018	RVRR recommendation
		20	GSM-R voice	08.02.2018	RVRR recommendation
		21	GSM-R for ETCS	08.02.2018	RVRR recommendation
	5	Coded list	B System on board <sup>1</sup>		NVR specification
		1xx (see Appendix 2 - Table 3)	Class B signalling system		
		2xx (see Appendix 2 - Table 4)	Class B radio system		
	6	Coded list	Other CCS systems on board <sup>1</sup>		
		1xx (see Appendix 2 - Table 5)	Other CCS signalling systems on board		
		2xx (see Appendix 2 -Table 6)	Other CCS radio systems on board		
	7	Coded list	Noise category	08.02.2018	Proposed by TSI NOI WP
		1	Can be used in all quieter routes- TSI Noise compliant- Silent - retrofitted without testing		

<sup>1</sup> If the vehicle is equipped with more than one system, an individual code for each system must be indicated.

Cat	Type	Value or specification	Name	Date of insertion in the list	Source
		2	Can be used in all quieter routes- TSI Noise compliant- Silent (tested against a TSI NOI)		
		3	Can be used in all quieter routes- TSI Noise compliant-Very quiet (tested against a TSI NOI)		
		4	Can be used in all quieter routes-TSI Noise not compliant – exempted in accordance with TSI Noise		
		5	Can be used in quieter routes only in this MS- Covered by specific case		
		6	Can be used in quieter routes only in this MS - Fitted with 'historic' CBBs.		
		7	Can't be used in quieter routes		
<b>3</b>			<b>Environmental restrictions</b>		
	1		Climatic zone EN50125:2014, Clause 4.3		NVR specification
		1	T1		
		2	T2		
		3	T3		
		4	TX	08.02.2018	RVRR recommendation
<b>4</b>			<b>Restrictions on use</b>		
	1		Time based		NVR specification
	2		Condition based (distance travelled, wear, etc.)		NVR specification
<b>5</b>			<b>On-board equipment</b>		
	1	xxx (see Appendix 2 - Table 7)	Recording device	15.02.2012	Requested by NSA IT

**Table 2. National restriction codes and pre-codes**

MS	Cat	Type	Value or specification	Name	Date of insertion in the list	Source
AT						
				No pre-code has been listed for this MS		
BE						
				No pre-code has been listed for this MS		
BG						
				No pre-code has been listed for this MS		
CZ						
				No pre-code has been listed for this MS		
DK						
				No pre-code has been listed for this MS		
EE						
				No pre-code has been listed for this MS		
FI						
				No pre-code has been listed for this MS		
FR						
				No pre-code has been listed for this MS		
DE						
				No pre-code has been listed for this MS		
EL						
				No pre-code has been listed for this MS		
HR						
				No pre-code has been listed for this MS		

MS	Cat	Type	Value or specification	Name	Date of insertion in the list	Source
<b>HU</b>						
				No pre-code has been listed for this MS		
<b>IE</b>						
				No pre-code has been listed for this MS		
<b>IT</b>						
				No pre-code has been listed for this MS		
<b>LV</b>						
				No pre-code has been listed for this MS		
<b>LT</b>						
				No pre-code has been listed for this MS		
<b>LU</b>						
				No pre-code has been listed for this MS		
<b>NL</b>						
				No pre-code has been listed for this MS		
<b>NO</b>						
				No pre-code has been listed for this MS		
<b>PL</b>						
				No pre-code has been listed for this MS		
<b>PT</b>						
				No pre-code has been listed for this MS		
<b>RO</b>						
				No pre-code has been listed for this MS		

MS	Cat	Type	Value or specification	Name	Date of insertion in the list	Source
SK						
				No pre-code has been listed for this MS		
SI						
				No pre-code has been listed for this MS		
ES						
				No pre-code has been listed for this MS		
SE						
				No pre-code has been listed for this MS		
UK						
				No pre-code has been listed for this MS		
CT						
				No pre-code has been listed for this MS		

**Appendix 2****LISTS OF CODIFIED VALUES****2.5 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**

<b>2.5.1xx Class B signalling system<sup>2</sup></b>	
<b>INDEX xx</b>	<b>NAME</b>
01	ALSN
02	ASFA
03 <sup>3</sup>	ATB
04	ATP-VR/RHK
05	BACC
06 <sup>4</sup>	CAWS and ATP
07	Crocodile
08 <sup>5</sup>	Ebicab
09	EVM
10	GW ATP
11	Indusi/PZB
12	KVB
13	LS
14	LZB
15	MEMOR II+
16	RETB
17	RSDD/SCMT
18	SELCAB

<sup>2</sup> (from Decision 2006/679/EC and [ERA TD 2011-11](#))

<sup>3</sup> Value 03 not to be used. Replaced by 25 and 26. Kept for historical data.

<sup>4</sup> Value 06 not to be used. Replaced by 27 and 28. Kept for historical data.

<sup>5</sup> Value 08 not to be used. Replaced by 31 and 32. Kept for historical data.

<b>2.5.1xx Class B signalling system<sup>2</sup></b>	
INDEX xx	NAME
19	SHP
20 <sup>6</sup>	TBL
21	TPWS
22 <sup>7</sup>	TVM
23	ZUB 123
24 <sup>8</sup>	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
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
44	TBL 2
45	TBL1+
46	TVM 300

<sup>6</sup> Value 20 not to be used. Replaced by 43, 44 and 45. Kept for historical data.

<sup>7</sup> Value 22 not to be used. Replaced by 46 and 47. Kept for historical data.

<sup>8</sup> Value 24 not to be used. Kept for historical data.



<b>2.5.1xx Class B signalling system<sup>2</sup></b>	
INDEX xx	NAME
47	TVM 430

**Table 4. Class B radio system**

<b>2.5.2xx Class B radio system<sup>9</sup></b>	
INDEX xx	NAME
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
05	BR 1845
06	BR 1609
07	FS ETACS and GSM
08	UIC Radio Chapter 1-4 (TTT radio system installed at Cascais line)
09	TTT radio system CP_N
10	PKP radio system
11	VR trainr
12	TRS — The Czech Railways radio system
13	LDZ radio system
14	CH — Greek Railways radio system
15	UIC Radio Chapter Bulgaria
16	The Estonian radio system
17	The Lithuanian radio system

## 2.6 Other CCS systems on board

This code is used for systems that are neither ERTMS nor listed as class B systems.

Following codes apply:

<sup>9</sup> (from Decision 2006/679/EC)

**Table 5. Other CCS signalling systems on board**

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

**Table 6. Other CCS radio systems on board**

2.6.2xx Other CCS radio system		
INDEX xx	NAME	Comment
01	TETRA-URCA (Terrestrial Trunked Radio -Unified Railway Communication and Application System)	Added 08.02.2018 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 board equipment - Recording Device	
INDEX xx	NAME
01	“Registratore cronologico d’eventi computerizzato” (RCEC) according to specification RFI/DTC/CSI/SR/OR/10/002/B of 11/02/2008

Note: the information is provided in ERATV parameter 3.1.3.1.5. It is provided by reference to parameter 9.6 “Recording Device” of the list of [Decision 2009/965/EC](#).