



Organisation intergouvernementale pour les
transports internationaux ferroviaires

Zwischenstaatliche Organisation für den
internationalen Eisenbahnverkehr

Intergovernmental Organisation for
International Carriage by Rail

Specification

National Vehicle Registers

NVR 2020

Applicable from 01.06.2020

DECISION

1. In accordance with Article 20 § 1 e) and Article 35 of COTIF and Article 13 §§ 1, 4 and 5 of the ATMF Uniform Rules, the Committee of Technical Experts adopts the NVR specifications set out in the Annex to this document and repeals document NVR 2015.
2. The Committee of Technical Experts requests the Secretary General to publish the specifications mentioned under point 1 on OTIF's website and to inform the Contracting States thereof.
3. The Committee of Technical Experts reminds those Contracting States which have not established their NVR or have not connected it to the Virtual Vehicle Register (VVR) that in accordance with decisions taken by the Committee at its 5th and 7th sessions:
 - Each Contracting State must establish a computer-based NVR according to the common specifications which authorised representatives from competent authorities and stakeholders should be able to consult. The NVR must list all vehicles admitted to international operations by the state concerned. Each vehicle shall be identified by a unique vehicle number (EVN).
 - Each Contracting State was required to have implemented its NVR by 1.9.2013, at the latest.
 - All NVRs must be linked to the central VVR which is provided by the European Union Agency for Railways (ERA). The VVR must allow users to search all NVRs through a single portal and enable exchange of data between national NVRs.
 - Each Contracting State was required to provide a link to the VVR by 1.12.2013, at the latest.
 - The NVR has to be kept and updated by a national registering entity.
 - The Secretary General of OTIF and ERA shall cooperate in order to make sure that the NVR architectures implemented in the EU and in OTIF are interconnected in order to allow an adequate exchange of data.
4. The Committee of Technical Experts requests Contracting States which have not implemented their NVR to do so without delay and requests those Contracting State which have not provided a link to the VVR to do so without delay.

ANNEX

Specification of the NVR

1. DATA

The following list presents the data elements to be included in the NVR, their format and whether the data shall be compulsory or optional.

The element numbering follows the logic of the proposed standard registration form in Appendix 4.

In addition, field(s) for comments may be added such as identification of vehicles under investigation (see section 3.4).

Where country codes are indicated as ISO, they are in principle according to ISO 3166 (the 2 letter code) with some exceptions for Greece and United Kingdom; the letter codes to be used are indicated in Appendix 2, table 1.

1.	Vehicle Number		Compulsory
Content	Unique vehicle number as defined in UTP Marking ⁽¹⁾		
Format	1.1.	Number	12 digit (*)
	1.2.	Previous number (if applicable, for renumbered vehicle)	12 digit (*)

(*) The 8 digit numbering system of the Council of railway Transport of the Commonwealth of independent States (CIS) might also apply.

2.	Contracting State and Authorising Competent Authority		Compulsory
Content	Identification of the State where the vehicle has been authorised first and the authorising competent authority. For vehicles coming from a third country, the MS where it was authorised first.		
Format	2.1.	State numeric code as defined in Appendix 2, table 1	2 digit code
	2.2.	Name of the authorising authority	Text

3.	Manufacturing year		Compulsory
Content	The year in which the vehicle left the factory.		
Format	3.	Manufacturing year	YYYY

4.	EU-/OTIF reference		Compulsory (when available)
Content	Reference to the declaration of verification, <u>if any</u> , and the issuing body (the applicant) ⁽²⁾		
Format	4.1.	Date of declaration, <u>if any</u>	Date
	4.2.	EU-/OTIF-reference, <u>if any</u>	Text
	4.3.	Name of issuing body (applicant)	Text
	4.4.	Registered business number	Text
	4.5.	Address of the organisation, street and number	Text
	4.6.	Town	Text
	4.7.	Country code	ISO
	4.8.	Post code	Alphanumeric code

5.	Reference to the Register of Authorised Types		Compulsory ⁽³⁾
Content	Reference to the Central Register of Authorised Types (5.0) ⁽⁴⁾ or, as long as this register is not yet available, reference may be made to the entity in charge of the register where the technical data of the vehicle can be found (5.1 to 5.6)		
Format	5.0	Reference allowing retrieval of the relevant technical data from the Central Register of Authorised Types	Alphanumeric code
	5.1.	Entity in charge of the register	Text
	5.2.	Address of the entity, street and number	Text
	5.3.	Town	Text
	5.4.	Country code	ISO
	5.5.	Post code	Alphanumeric code
	5.6.	E-mail address	E-mail
	5.7.		

5bis.	Series		Optional
Content	Identification of a series, if the vehicle is part of a series		
Format	5bis.	Series	Text

6.	Restrictions		Compulsory
Content	Any restrictions on how the vehicle may be used		
Format	6.1.	Coded restrictions (see Appendix 1)	Code
	6.2.	Non coded restrictions	Text

7.	Owner		Compulsory
Content	Identification of the owner of the vehicle		
Format	7.1.	Name of the organisation	Text
	7.2.	Registered business number	Text
	7.3.	Address of the organisation, street and number	Text
	7.4.	Town	Text
	7.5.	Country code	ISO
	7.6.	Post code	Alphanumeric code

8.	Keeper		Compulsory
Content	Identification of the keeper of the vehicle		
Format	8.1.	Name of the organisation	Text
	8.2.	Registered business number	Text
	8.3.	Address of the organisation, street and number	Text
	8.4.	Town	Text
	8.5.	Country code	ISO
	8.6.	Post code	Alphanumeric code
	8.7.	VKM (if available)	Alphanumeric code

9.	Entity in charge of maintenance (ECM)		Compulsory
Content	Reference to the entity in charge of the maintenance		
Format	9.1.	Entity in charge of the maintenance	Text
	9.2.	Registered business number	Text
	9.3.	Address of the entity, street and number	Text
	9.4.	Town	Text
	9.5.	Country code	ISO
	9.6.	Post code	Alphanumeric code
	9.7.	E-mail address	E-mail

10.	Withdrawal		Compulsory when applicable
Content	Date of official scrapping and/or other disposal arrangement and the code for the withdrawal mode.		
Format	10.1.	Mode of disposal (see Appendix 3)	2 digit code
	10.2.	Withdrawal date	Date

11.	States where the vehicle is authorised		Compulsory
Content	List of the States where the vehicle is admitted to operation. ⁽⁵⁾		
Format	11.	State: numeric code as defined in Appendix 2, table 1	List

12.	Authorisation number		Compulsory
Content	Harmonised authorisation number for admission to operation (placing into service), generated by the authorising competent authority.		
Format	12.	Authorisation number	Existing vehicles: text New vehicles: Alphanumeric code based on EIN, see Appendix 2.

13.	Admission to operation		Compulsory
Content	Date of admission to operation of the vehicle and its validity ⁽⁶⁾		
Format	13.1.	Date of the admission	Date (YYYYMMDD)
	13.2.	Admission valid until (if specified) (the indicated date is included)	Date (YYYYMMDD)
	13.3.	Suspension of admission	Yes/No

- (1) In OTIF Contracting States, this numbering system is used for both high-speed and conventional vehicles. EU: see Commission Decision 2012/757/EU.
- (2) In COTIF the issue of a “UTP declaration of verification” is VOLUNTARY; if issued the format in Annex 2 to UTP GEN-D shall be used. See also the note *) in Appendix 4, point 4 to this NVR specification.
- (3) For vehicles admitted as identical to a type authorised in accordance with Article 6 of ATMF. EU: - with Article 26 of Directive 2008/57/EC.
- (4) EU: The register provided for in Article 34 of Directive 2008/57/EC, called ERATV.
- (5) The list shall include the States which initially registered the vehicle. This element is only to be updated in the NVR of that State.
- (6) EU: Authorisation issued in accordance with Chapter V of Directive 2008/57/EC or authorisation issued in accordance with the authorisation regimes that existed before the transposition of Directive 2008/57/EC.

2. ARCHITECTURE

2.1 The EU global NVR architecture

The NVR registers are being implemented in the EU by means of a decentralised solution¹. The objective is to implement a search engine on distributed data, using a common software application, which allows Users to retrieve data from all the Local Registers (LR) in the Contracting States.

NVR data is stored at national level and will be accessible by using a web-based application (with its own web address).

The European Centralised Virtual Vehicle Register (EC VVR) is composed of two sub-systems:

- the Virtual Vehicle Register (VVR), which is the central search engine in the European Railway Agency
- the National Vehicle Register(s) (NVR), which are the LR in the EU Member States.

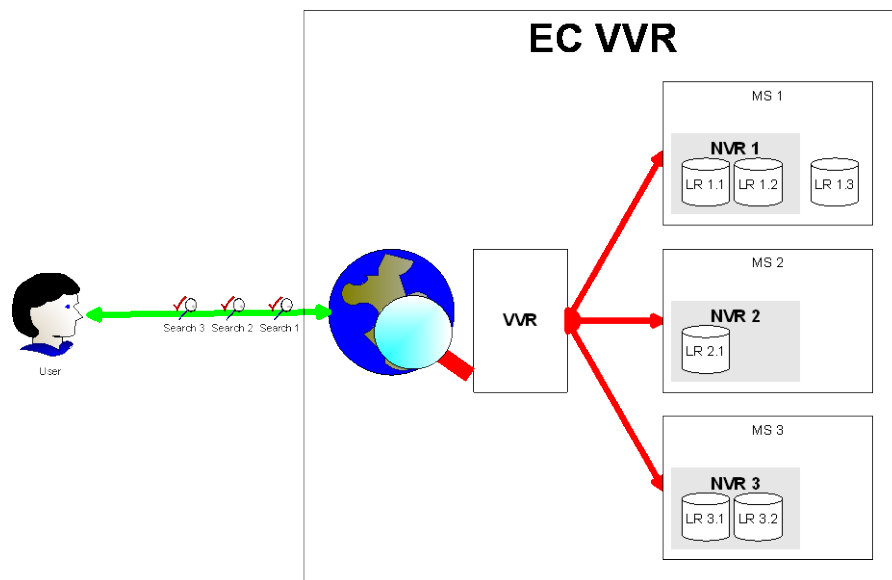


Figure 1 – EC-VVR architecture

This architecture is based on two complementary sub-systems that enable searches on data which are stored locally in all EU MS and consists of:

- establishing computerised registers at the national level and opening them to cross-consultation;
- replacing paper registers by computerised records. This will allow the EU MS to manage and share information with other EU MS;
- allowing connections between the NVRs and the VVR, using common standards and terminology.

The main principles of this architecture are:

- all NVRs will become part of the computer based, network system;
- all connected States when accessing the system will view the common data;
- double registration of data and related possible errors will be avoided once the VVR has been established;
- up-to-date data.

¹ From 16 June 2021, NVRs would be discontinued in the EU and replaced by the central EVR.

2.2 The OTIF global NVR architecture

Contracting States which are not EU Member States and which are not subject to EU legislation due to other international agreements will have the choice of two solutions:

- (a) setting up their own NVR by means of the standard NVR software developed by the European Rail Agency. These NVRs will be connected to the EC VVR by means of the standard protocol included in the standard package;
- (b) setting up their own NVR by means of an own developed software. These NVRs will have to be connected to the EC VVR by means of a translation engine to be developed by the Contracting State. This solution may not impose a modification to the existing EC VVR.

2.3 Registration Entity

- (a) Each Competent Authority shall designate a Registration Entity *[independent of any railway undertaking]* which shall be responsible for processing applications and updating the data on vehicles registered in the state concerned.
- (b) Registration Entities shall cooperate and share information in order to coordinate changes in their vehicle registers.
- (c) Contracting States which do not apply EU law shall inform the Secretary General without delay of their Registration Entity's contact details, or any changes thereto.
- (d) The Secretary General of OTIF shall publish a list of Registration Entities and the e-mail addresses at which they can be contacted.

3. OPERATING MODE

3.1 The use of the NVR

The NVR shall be used with the following purposes:

- Record of authorisation
- Record of the unique vehicle number (EVN) allocated to vehicles,
- Looking for OTIF wide (including EU), brief information related to a particular vehicle,
- Follow up legal aspects like obligations and juridical information,
- Information for inspections mainly related to safety and maintenance,
- Enable contact with the owner, the keeper and the ECM (Entity in Charge of Maintenance),
- Cross-check some safety requirements before issuing Safety Certificate (in the EU),
- Follow up a particular vehicle.

3.2 Application forms

3.2.1 Application for registration

The form in Appendix 4 shall be used for the application for registration.

The entity applying for vehicle registration shall tick the “New registration” box. It shall fill in the form and send it to the:

- RE of the Contracting State where registration is sought, making sure that all fields are filled in,
- RE of the first Contracting State where it intends to operate, for a vehicle coming from a state which is not a Contracting State [see point 3.2.5(2)]. In this case the form shall contain at least information identifying the owner of the vehicle and the keeper, the restrictions on how the vehicle may be used and the entity in charge of maintenance.

3.2.2 Registering a vehicle and issuing a Vehicle Number.

In the case of first registration, the RE concerned issues the Vehicle Number.

It is possible to have an individual registration form per vehicle or a single form for a whole set of vehicles of the same series or order attached with a list of the vehicle numbers.

The RE shall take reasonable steps to ensure the accuracy of the data it enters in the NVR. To this end the RE can request information from other REs, in particular when the entity applying for registration in a State is not established in that State.

3.2.3 Changing one or more registration item(s)

The entity applying for a change of its vehicle registration item(s):

- ticks in the box corresponding to “Modification”,
- fills in the actual unique vehicle number (item N° 0),
- ticks in the box related to the modified item(s),
- indicate the new content of the modified item(s), and then forwards the form to the RE of any State where the vehicle is registered.

The use of the standard form might not be sufficient for certain cases. If necessary, the RE concerned may, therefore use additional documents either paper or electronic.

The registration holder shall immediately declare to the RE any modification to the data entered in the NVR, the destruction of a vehicle or its decision no longer to register a vehicle. Unless otherwise specified in the registration documents, the keeper of the vehicle is considered to be the “registration holder”.

Should a keeper change, it is the responsibility of the currently registered keeper to notify the RE and the RE has to notify the new keeper of the change of registration. The former keeper is only removed from the NVR and relieved of his responsibilities when the new keeper has acknowledged his acceptance of keeper status. If, on the date of de-registration of the currently registered keeper, no new keeper has accepted keeper status, the registration of the vehicle is suspended.

In cases where, in accordance with the UTP Marking, due to technical changes, the vehicle has to be given a new unique vehicle number, the registration holder shall inform of these changes and, if applicable, of the new admission of operation the RE of the Contracting State where the vehicle is registered. The RE shall assign to the vehicle a new unique vehicle number.

The RE shall register the changes in the NVR within 20 working days from the receipt of a complete application file. The RE shall, within this deadline, either register the vehicle or request correction/clarification.

3.2.4 Withdrawal of registration

The entity applying for a withdrawal of registration ticks in the box corresponding to “Withdrawal”. It then fills in the item N° 10 and forwards it to the RE of any State where the vehicle is registered.

The RE delivers the withdrawal registration by filling in the date of withdrawal and acknowledging the withdrawal to the said entity.

3.2.4a Withdrawal of redundant registrations

The keeper shall ensure that redundant registrations of vehicles pursuant to point 3.2.5 (1) are withdrawn from the NVR.

3.2.5 Admission/Authorisation in several States

1. Vehicles shall be registered only in the NVR of the Contracting State where they are first admitted in operation in accordance with ATMF or authorised in accordance with EU law. This is without prejudice to the transfer of registration to a different NVR in accordance with point 3.2.6 (2).
2. Vehicles entering the network of a Contracting State from a state which is not a Contracting State and which are not registered in a vehicle register connected to the EC VVR shall be registered only in the NVR of the first Contracting State where the vehicle is intended to be operated.
3. For any vehicle, the NVR where it is registered shall contain the data relating to items 2, 6, 12 and 13 for each of the Contracting States where an admission of operation in accordance with ATMF or an EU authorisation has been granted to this vehicle.²

This provision is without prejudice to the following:

- Contracting States shall register existing vehicles as provided for in section 4.
- Rolling stock placed in service for the first time in a Contracting State and intended to be used on networks of states which are not Contracting States as part of a common 1520 mm rail system wagon fleet shall be registered in both the NVR and the Information Database of the Council of Railway Transport of the Commonwealth of Independent States. In this case, the 8-digit numbering system may be applied instead of the numbering system specified.
- Rolling stock placed in service for the first time in a state which is not a Contracting State and intended to be used in a Contracting State as part of the common 1520 mm rail system wagon fleet

² If any vehicle already admitted in a non-EU OTIF-CS is registered in an EU-MS, the registration will also contain data relating to items 2, 6, 12 and 13 for each of the non-EU OTIF-CS where it is admitted. To this end, and as long as the connection between the ECVVR and the respective NVRs is not established, the Registration Holder informs the Registering Entity where the vehicle is first registered about all additional admissions/authorisations.

shall not be registered in the NVR, provided that it is possible to retrieve the relevant information from the Information Database of the CIS Council of Railway Transport³.

3.2.6 *Transfer of registration and change of Unique Vehicle Number (EVN)*

1. The EVN shall be changed when it does not reflect the interoperability capability or technical characteristics in accordance with Section 7 of the UTP MARKING or Appendix 6 of the EU NVR Specification due to technical modifications of the vehicle. Such technical modifications may require a new admission to operation or a new vehicle authorisation in accordance with EU law. The keeper shall inform the RE of the Contracting State where the vehicle is registered of those changes and, if applicable, of the new authorisation for placing in service or of a new authorisation for placing on the market. That RE shall assign the vehicle a new EVN.
2. The EVN may be changed at the request of the keeper through a new registration of the vehicle in the NVR of a different Contracting State connected to EC VVR and subsequent withdrawal of the old registration.
3. If this new registration concerns a Contracting State which is different from that of the first registration, the RE competent for the new registration may request a copy of the documentation related to the former registration.
4. The administrative costs incurred by the change shall be covered by the applicant requesting the change.

3.3 **Access rights**

The access rights to data of a NVR from a given State "XX" are listed in the table below:

Entity	Definition	Read rights	Update rights		
RE of Contracting State 'XX'	Registration Entity/competent body in Contracting State 'XX'	All data	All data in vehicle register of CS 'XX'		
Other competent bodies/ACAs/REs	Other competent bodies, other authorising competent authorities and/or other Registration Entities	All data	None		
Agency and OTIF SG	The European Union Agency for Railways (the Agency) and OTIF Secretary General	All data	None		
Keepers	Vehicle Keeper	All data of vehicles for which it is keeper	None		
ECMs	Entities in charge of maintenance	All data, except owner's references to vehicles for which he is the ECM	None		
Owners	Owner of the vehicle	All data of vehicles for which they are the owners	None		
RUs	Train Operator	All data, except owner's references, based on one or more vehicle numbers	None		
IMs	Infrastructure Managers	All data, except owner's references, based on one or more vehicle numbers	None		

³ Retrievable information includes the following: the type of construction of the vehicle, identification of the owner of the vehicle and the keeper, and lastly, the restrictions on how the vehicle may be used.

IBs and RBs	Investigation and auditing bodies (designated by Contracting States)	All data for vehicles being checked or audited	None		
EC declaration of verification issuing body (the applicant)		All data on vehicles of which it is the body issuing the EC declaration of verification (the applicant), except owner's references	None		
Other legitimate users recognised by OTIF Secretary General, NSA or the Agency ⁽¹⁾	All casual users recognised by national competent bodies, OTIF Secretary General and ERA	To be defined as appropriate, duration possibly limited, except owner's references	None		

⁽¹⁾ The OTIF Secretary General shall, in cooperation with the Agency and Competent Authorities, define the procedure for recognising legitimate users.

The access rights to data of NVRs may be extended to relevant entities of the Contracting States which are party to APTU/ATMF UR or to other intergovernmental organisations.

3.4 Historical records

All data in the NVR must be retained for 10 years from the date a vehicle is withdrawn and de-registered. As a minimum, for the first three years data must be available on-line. After three years data may be kept either electronically, in paper form or any other archival system. If at any time during the 10-year period an investigation involving a vehicle or vehicles is started, data relating to these vehicles must be retained beyond the 10-year period if so required.

After withdrawal of a vehicle registration, none of the registration numbers assigned to the vehicle may be assigned to any other vehicle for 100 years from the date the vehicle is withdrawn.

Any changes in the NVR should be recorded. The management of the historical changes could be solved by IT technical functions.

4. EXISTING VEHICLES

4.1 Considered data content

Each of the 13 retained items has been considered in order to specify which of them are compulsory and which are not.

4.1.1 Item N°1 – Vehicle Number (Compulsory)

a) Case of vehicles already numbered with a 12 digit identification

Countries where there is a unique country code: the vehicles should keep their current number. The 12 digit number should be registered as such without any modification.

Countries where there are both a main country code and a specific code allocated formerly:

- Germany with the main country code 80 and the specific code 68 for AAE (Ahaus Alstätter Eisenbahn);
- Switzerland with the main country code 85 and the specific code 63 for BLS (Bern–Lötschberg–Simplon Eisenbahn);
- Italy with the main country code 83 and the specific code 64 for FNME (Ferrovie Nord Milano Esercizio);
- Hungary with the main country code 55 and the specific code 43 for GySEV/ROeEE (Győr-Sopron-Ebenfurti Vasút Részvénytársaság / Raab-Ödenburg-Ebenfurter Eisenbahn);
- Bosnia-Herzegovina with two specific railway codes, 50 for the Bosnian Federal Railway and 44 for the Railway of Republika Srpska.

The vehicles should keep their current number. The 12 digit number should be registered as such without any modification.⁴

The IT system has to consider both codes (main country code and specific code) as related to the same country.

Due to the tense political situation in Bosnia-Herzegovina, the solution for one unique numeric country code may not be to use one of the present codes, but to assign BA a new numeric code. Until then, also new vehicles may use the present railway codes.

b) Case of vehicles used in international traffic without a 12 digit identification

A two step procedure should apply:

- To allocate in the NVR a 12 digit number that shall be defined according to the vehicle's characteristics. The IT system should link this registered number to the current vehicle number.
- To physically apply the 12 digit number to the vehicle itself within a period of 6 years.

c) Case of vehicles used in domestic traffic without a 12 digit identification

The above mentioned procedure might apply for vehicles used solely in domestic traffic on a voluntary basis.

4.1.2 Item N°2 – State and competent body (Compulsory)

The Item 'State' must always refer to the State where the vehicle is being registered in its NVR. The Item 'competent body' refers to the entity which has delivered the admission to operation.

⁴ However any new vehicles placed in service for AAE, BLS, FNME and GySEV/ROeEE should be given the main country code.

4.1.3 Item N°3 – Manufacturing Year

Where the manufacturing year is not known precisely the approximate year should be entered.

4.1.4 Item N°4 – EU-/OTIF-reference (Contracting entity)

Normally such a reference does not exist for existing vehicles. To be recorded only if available.

4.1.5 Item N°5 – Reference to the Register of Authorised Types (ATR)

To be recorded only if available

4.1.6 Item N°6 – Restrictions

To be recorded only if available

4.1.7 Item N°7 – Owner (Compulsory) – and normally available

To be recorded only if the Contracting State decides so and the data is available

4.1.8 Item N°8 – Keeper (Compulsory)

Normally available and compulsory

The VKM (unique code as indicated in the VKM register) must be entered if the keeper has it.

4.1.9 Item N°9 – Entity in charge of maintenance

This item is compulsory.

4.1.10 Item N°10 – Withdrawal

Applicable as appropriate.

4.1.11 Item N°11 – States where the vehicle is authorised

Normally RIV wagons, RIC coaches and vehicles under bilateral or multilateral agreements are registered as such. If this information is available it should be recorded accordingly.

4.1.12 Item N°12 – Authorisation number

To be recorded only if available

4.1.13 Item N°13 – Admission to operation (Compulsory)

Where the date of admission to operation is not known precisely, the approximate year should be entered.

4.2 Procedure

The entity which was previously responsible for vehicle registration should make all information available to the national competent body or RE of the country where it is located. Existing freight wagons and passenger cars should only be registered in the NVR of the State where the former registration entity was located.

If an existing vehicle had been authorised in several States, the RE which registers this vehicle shall send the relevant data to the REs of the other States concerned.

The competent body or RE takes over the information in its NVR.

The competent body or RE informs all the involved parties when the information transfer is completed. At least the following entities should be informed:

- The entity previously responsible for vehicle registration
- The keeper
- OTIF Secretary General

4.3 Transfer of data from former registering entity

Making registration information available to the national competent body (the RE)

If not already done by 01.05.2010 as required by the Committee of Technical Experts' decision (document A 92-20/1.2009), the former registering entity responsible for vehicle registration shall make all required information available according to an agreement between itself and the RE by no later than 3 months after the entry into force of this regulation.. If possible, an electronic format should be used.

See also 4.1.1 b)

APPENDIX 1 – RESTRICTIONS CODING⁵

1. PRINCIPLES

The restrictions, such as special operating limitations and conditions referred to in Article 11 § 2 letter c) of ATMF or those linked to the authorisation in accordance with EU law, shall be assigned a harmonised code or a national code.

2. STRUCTURE

Each code is a combination of:

- category of restriction
- type of restriction
- value or specification.

which are joined 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
1			Technical restriction related to construction	
	1	[Number]	Minimum curve radius in meters	
	2		Track circuit restrictions	
	3	[Number]	Speed restrictions (on the given network) in km/h	
	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 in UTP WAG)	
	2	Coded list	Wheelset gauge	
		1	Variable gauge 1435/1520	
		2	Variable gauge 1435/1668	
		3	Gauge 1000	08.02.2018
		4	Gauge 1435	08.02.2018
		5	Gauge 1520	08.02.2018
			Gauge 1524	08.02.2018
			Gauge 1600	08.02.2018
			Gauge 1668	08.02.2018
	3		No CCS on board	
	4	Coded list	ERTMS A on board	
		10	ETCS	08.02.2018
		20	GSM-R voice	08.02.2018
		21	GSM-R for ETCS	08.02.2018

⁵ Appendix 1 is harmonised with/equivalent to the following ERA technical document: *List of harmonised and national restriction codes*, ERA/TD/2011-09/INT, V 1.03 dated 8 February 2018.

	5	Coded list	B System on board ⁽¹⁾	
		1xx (see Table 3)	Class B signalling system	
		2xx (see Table 4)	Class B radio system	
	6	Coded list	Other CCS systems on board ⁽¹⁾	
		1xx (see Table 5)	Other CCS signalling systems on board	
		2xx (see Table 6)	Other CCS radio systems on board	
	7	Coded list	Noise category	08.02.2018
		1	Can be used on all quieter routes - UTP NOI compliant- Silent - retrofitted without testing	
		2	Can be used on all quieter routes - UTP NOI compliant- Silent (tested against UTP NOI)	
		3	Can be used on all quieter routes - UTP NOI compliant-Very quiet (tested against UTP NOI)	
		4	Can be used on all quieter routes - not UTP NOI compliant – exempted in accordance with UTP NOI	
		5	Can be used on quieter routes only in this CS - Covered by specific case	
		6	Can be used on quieter routes only in this CS - Fitted with ‘historic’ Composite Brake Blocks	
		7	Cannot be used on quieter routes	
3			Environmental restrictions	
	1		Climatic zone EN50125:2014, Clause 4.3	
		1	T1	
		2	T2	
		3	T3	
		4	TX	08.02.2018
4			Restrictions on use	
	1		Time based	
	2		Condition based (distance travelled, wear, etc.)	
5			On-board equipment	
	1	xxx (see Table 7)	Recording device	15.02.2012

⁽¹⁾ If the vehicle is equipped with more than one B system, an individual code for each system must be indicated.

Table 2. National restriction codes and pre-codes

CS	Cat	Type	Value or specification	Name	Date of insertion in the list

Table 3. Class B signalling system

2.5.1xx Class B signalling system ⁽²⁾							
INDEX xx	NAME	INDEX xx	NAME	INDEX xx	NAME	INDEX xx	NAME
01	ALSN	02	ASFA	03 ⁽³⁾	ATB	04	ATP-VR/RHK
05	BACC	06 ⁽⁴⁾	CAWS and ATP	07	Crocodile	08 ⁽⁵⁾	Ebicab
09	EVM	10	GW ATP	11	Indusi/PZB	12	KVB
13	LS	14	LZB	15	MEMOR II+	16	RETB
17	RSDD/SC MT	18	SELCAB	19	SHP	20 ⁽⁶⁾	TBL
21	TPWS	22 ⁽⁷⁾	TVM	23	ZUB 123	24 ⁽⁸⁾	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	EuroSIGN NUM	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	47	TVM 430		

⁽²⁾ Commission Decision 2006/679/EC of 28.03.2006 (CCS TSI) and ERA Technical Document ERA/TD/2011-11

⁽³⁾ Value 03 not to be used. Replaced by 25 and 26. Kept for historical data.

⁽⁴⁾ Value 06 not to be used. Replaced by 27 and 28. Kept for historical data.

⁽⁵⁾ Value 08 not to be used. Replaced by 31 and 32. Kept for historical data.

⁽⁶⁾ Value 20 not to be used. Replaced by 43, 44 and 45. Kept for historical data.

⁽⁷⁾ Value 22 not to be used. Replaced by 46 and 47. Kept for historical data.

⁽⁸⁾ Value 24 not to be used. Kept for historical data.

Table 4. Class B radio system

2.5.2xx Class B radio system ⁽⁹⁾					
INDEX xx	NAME	INDEX xx	NAME	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		

⁽⁹⁾ Commission Decision 2006/679/EC of 28.03.2006 (CCS TSI)

Table 5. Other CCS signalling systems on board

2.6.1xx Other CCS signalling systems		
INDEX xx	NAME	Comment
01	SSC BL3	Added 15.02.2012

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

Table 7 On-board equipment. Recording device

5.1.2xx 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

3. RESTRICTION CODES

1. Harmonised restriction codes shall be applicable in all the Contracting States.

The Committee of Technical Experts (CTE) shall keep up-to-date and publish the list of harmonised restriction codes for international traffic.

If a Competent Authority considers that a new code needs to be added to the list of harmonised restriction codes, it shall request the CTE to do so.

2. The use of non-coded restrictions shall be limited to those restrictions which, due to their particular character, are unlikely to be applied to several types of vehicle.

APPENDIX 2 – STRUCTURE AND CONTENT OF THE EIN⁶

The code for the harmonised numbering system, called European Identification Number (EIN), for Safety Certificates and other documents is defined with the following structure and content:

Example:

I	T	5	1	2	0	0	6	0	0	0	5
Country code, i.e. a code relevant to the issuing authority ⁽¹⁾ (2 letters)		Type of document (2 digits)			Issue year ⁽²⁾ (4 digits)			Counter (4 digits)			
Field 1		Field 2			Field 3			Field 4			

⁽¹⁾ For the Contracting States applying EU law the codes relevant to the national safety authorities are those officially published and updated on the website of the Publication office of the EU in the *Interinstitutional style guide*. In the case of the multinational safety authorities the codes are as follows:

	Code
The European Union Agency for Railways	EU
Channel Tunnel Intergovernmental Commission	CT

⁽²⁾ For documents related to ECM and assessment Body, see explanation for Field 3

FIELD 1 - Country code (2 letters)

Table 1.

COUNTRY	CODE		COUNTRY	CODE		COUNTRY	CODE	
Albania	AL	41	<i>Iceland</i>	IS	-	<i>North Korea</i>	KP	30
Algeria	DZ	92	Iran	IR	96	Norway	NO	76
Armenia	AM	58	Iraq	IQ	99	Poland	PL	51
Austria	AT	81	Ireland	IE	60	Portugal	PT	94
Azerbaijan	AZ	57	<i>Israel</i>	IL	95	Romania	RO	53
<i>Belarus</i>	BY	21	Italy	IT	83	Russia	RU	20
Belgium	BE	88	<i>Japan</i>	JP	42	Serbia	RS	72
Bosnia-Herzegovina [#]	BA	(50)	<i>Kazakhstan</i>	KZ	27	Slovak Republic	SK	56
“-“		(44)	<i>Kyrgyzstan</i>	KG	59	Slovenia	SI	79
Bulgaria	BG	52	Latvia	LV	25	<i>South Korea</i>	KR	61
Croatia	HR	78	Lebanon	LB	98	Spain	ES	71
Cyprus	CY	-	Liechtenstein	LI	-	Sweden	SE	74
Czech Republic	CZ	54	Lithuania	LT	24	Switzerland	CH	85
Denmark	DK	86	Luxembourg	LU	82	Syria	SY	97
<i>Egypt</i>	EG	90	FYR Macedonia	MK	65	<i>Tajikistan</i>	TJ	66

⁶ Appendix 2 is harmonised with/equivalent to the following ERA technical document: *Structure and content of the European Identification Number, Technical Document 013SST1139, V 1.2 dated 06 March 2019.*

Estonia	EE	26	<i>Malta</i>	<i>MT</i>	-	Tunisia	TN	91
Finland	FI	10	<i>Moldova</i>	<i>MD</i>	23	Turkey	TR	75
France	FR	87	Monaco	MC	-	<i>Turkmenistan</i>	<i>TM</i>	67
Georgia	GE	28	<i>Mongolia</i>	<i>MN</i>	31	Ukraine	UA	22
Germany	DE	80	Montenegro	ME	62	United Kingdom	UK*	70
Greece	EL*	73	Morocco	MA	93	<i>Uzbekistan</i>	<i>UZ</i>	29
Hungary	HU	55	Netherlands	NL	84	<i>Vietnam</i>	<i>VN</i>	32

* Not according to ISO 3166 (2 letter code), but the European Community abbreviation

Bosnia-Herzegovina is a federal state and uses 2 railway codes, see point 4.1.1 in the Annex

A country indicated in italics is not a member of OTIF (as of 23.10.2018)

FIELD 2 – Type of document (2 digit number)

Two digits allow identifying the type of document:

- the first digit identifies the general classification of the document;
- the second digit specifies the subtype of document.

With the need for other codes this numbering system can be extended. The following is the proposed list of known, possible combinations of two digit numbers extended with the proposal for authorisation for placing in service of vehicles:

Fields in blue are for EU Members States		
Number combination for field 2	Document Type	Subtype of document
[0 1]	Licences	Licences for RUs
[0 x]	Licences	Others
[1 0]	Single Safety Certificate	
[1 1]	Safety Certificate	Part A
[1 2]	Safety Certificate	Part B
[1 x]	Reserved	Reserved
[2 1]	Safety Authorisation	
[2 2]	Reserved	Reserved
[2 x]	Reserved	Reserved
[3 0]	Decision on accreditation/recognition of ECM Certification Body	
[3 1]	ECM Certificate	
[3 2]	Maintenance workshop certificate	
[3 3]	Maintenance functions certificate	
[3 4]	Reserved	Reserved
[3 5]	Decision on accreditation of CSM Assessment Body	Accredited CSM Assessment Bodies
[3 6]	Decision on recognition of CSM Assessment Body	Recognised CSM Assessment Bodies
[3 x]	Reserved, e.g. maintenance for rolling stock, for infrastructure or others	
[4 x]	Reserved for assessing entities	e.g. different kinds of assessing entities (e.g. Notified Bodies)
[5 1] and [5 5] ⁽¹⁾	Authorisation for placing in service or Admission to Operation	Tractive rolling stock
[5 2] and [5 6] ⁽¹⁾	Authorisation for placing in service or Admission to Operation	Hauled passenger vehicles

[5 3] and [5 7] ⁽¹⁾	Authorisation for placing in service or Admission to Operation	Wagons
[5 4] and [5 8] ⁽¹⁾	Authorisation for placing in service or Admission to Operation	Special vehicles
[5 9] ⁽²⁾	Authorisation of type of vehicle	
[6 0]	Authorisation for placing in service or Admission to Operation	Infrastructure, Energy and Control Command Signalling track-side assembly Subsystems
[6 1]	Authorisation for placing in service or Admission to Operation	Infrastructure Subsystem
[6 2]	Authorisation for placing in service or Admission to Operation	Energy Subsystem
[6 3]	Authorisation for placing in service or Admission to Operation	Control Command Signalling track-side assembly Subsystem
[7 1]	Train driving licence	Counter from 0000 to 9 999
[7 2]	Train driving licence	If more than 9 999 licences are issued per year. Counter from 0 000 to 9 999
[7 3]	Train driving licence	If more than 19 999 licences are issued per year. Counter from 0 000 to 9 999
[8 0]	Vehicle type authorisation	
[8 1]	Vehicle authorisation for placing on the market	Counter from 0000 to 9 999
[8 2]	Vehicle authorisation for placing on the market	If more than 9 999 authorisations are issued per year. Counter from 0 000 to 9 999
[8 3]	Vehicle authorisation for placing on the market	If more than 19 999 authorisations are issued per year. Counter from 0 000 to 9 999
[8 4]	Vehicle authorisation for placing on the market	If more than 29 999 authorisations are issued per year. Counter from 0 000 to 9 999
[8 5]	Vehicle authorisation for placing on the market	If more than 39 999 authorisations are issued per year. Counter from 0 000 to 9 999
[8 6]	Vehicle authorisation for placing on the market	If more than 49 999 authorisations are issued per year. Counter from 0 000 to 9 999
[8 7]	Vehicle authorisation for placing on the market	If more than 59 999 authorisations are issued per year. Counter from 0 000 to 9 999
[8 8]	Vehicle authorisation for placing on the market	If more than 69 999 authorisations are issued per year. Counter from 0 000 to 9 999
[9 x]	Reserved (2 document types)	Reserved (10 subtypes)

⁽¹⁾ If the 4 digits foreseen for Field 4 ‘Counter’ is fully used within a year, the first two digits of Field 2 will change respectively from:

- [5 1] to [5 5] for tractive rolling stock,
- [5 2] to [5 6] for hauled passenger vehicles,
- [5 3] to [5 7] for wagons,
- [5 4] to [5 8] for special vehicles.

⁽²⁾ The digits allocated in Field 4 are:

- from 1 000 to 1 999 for traction vehicles,
- from 2 000 to 2 999 for hauled passenger vehicles,
- from 3 000 to 3 999 for wagons,
- from 4 000 to 4 999 for special vehicles.

FIELD 3 – Issue year (4 digit number)

This field indicates the year (in the specified format yyyy, i.e. 4 digits) in which the authorisation/admission has been issued.

For documents relating to the ECM and Assessment Body (field 2 from 30 to 36), field 3 is composed of 2 digits for the organisation code (e.g. “00” for the Competent Authority, “01”, “02”, “03” etc. for other relevant organisations in the country) and 2 digits for the year (e.g. 2017 = “17”).

FIELD 4 – Counter

The counter shall be a progressive number to be incremented by one unit each time a document is issued, regardless if it is a new, renewed or updated/amended authorisation. Even if a certificate is revoked or an authorisation is suspended, the number to which it refers cannot be used again.

Every year the counter shall restart from zero.

APPENDIX 3 – WITHDRAWAL CODING

Code	Withdrawal mode		Description
00	None		The vehicle has a valid registration.
10	Registration suspended No reason specified		The vehicle's registration is suspended at the request of the owner or keeper or by a decision of the competent body or RE.
11	Registration suspended		The vehicle is destined for storage in working order as an inactive or strategic reserve.
20	Registration transferred		The vehicle is known to be re-registered under a different number or by a different NVR, for continued use on (a whole or part of the) EU-OTIF railway network.
30	Withdrawal No reason specified		The vehicle's registration for operating on the EU-OTIF railway network has ended without known re-registration.
31	Withdrawal		The vehicle is destined for continued use as a rail vehicle, outside the EU-OTIF railway network.
32	Withdrawal		The vehicle is destined for the recovery of major interoperable constituents/ modules/ spares or major rebuilding
33	Withdrawal		The vehicle is destined for scrapping and disposal of materials (including major spares) for recycling.
34	Withdrawal		The vehicle is destined as 'historic preserved rolling stock' for operation on a segregated network, or for static display, outside the EU-OTIF railway network.

Use of codes

- If the reason for withdrawal is not specified, codes 10, 20 & 30 shall be used to indicate the change of registration status.
- If the reason for withdrawal is available: codes 11; 31; 32; 33 & 34 are options available within the NVR database. These codes are based solely on information provided by the keeper or owner to the RE.

Registration issues

- A vehicle whose registration is suspended or withdrawn may not operate on the EU-OTIF railway network under the recorded registration.
- Reactivation of a registration after suspension shall require verification by the registration entity of the conditions which caused the suspension.
- A transfer of registration under the conditions set out in 3.2.6 consists of new registration of the vehicle and subsequent withdrawal of the old registration.

APPENDIX 4 – STANDARD FORM FOR REGISTRATION



STANDARD FORM FOR REGISTRATION OF AUTHORISED VEHICLES ⁷



Application objective: New registration ☐ Modification ☐ ⁸ Withdrawal ☐

INFORMATION ABOUT THE VEHICLE

1. **Vehicle number** ⁹ _ _ _ _ _ - _ _
2. **Contracting State and the competent authority where the authorisation is requested**
 - 2.1. Contracting state: _ _ (2 digit code according to Appendix 2, table 1)
 - 2.2. Name of the competent authority: _____
3. **Manufacturing year:** _ _ _ _
- ☐ 4. **EU-/OTIF-reference** ^{*)}
 - 4.1. Date of the declaration, if any: _ _ _ _ _
 - 4.2. EU/OTIF reference, if any: _____
 - 4.3. Name of the issuing body/Contracting entity: _____
 - 4.4. Registered business number: _____
 - Address of the organisation
 - 4.5. Street and number: _____
 - 4.6. Town: _____
 - 4.7. Country code: _____ 4.8. Post code: _____

^{*)} **Note:** If an EU declaration of verification has been issued (by the contracting entity) the related data should be entered. So far, OTIF does not require a similar declaration, but the data related to the Contracting entity should be entered in 4.3 – 4.8.
- ☐ 5. **Reference to the Register of admitted/authorised types (the technical data)** ¹⁰
 - 5.0 Reference to the Central Register of Admitted/Authorised Types¹¹: _____
 - 5.1. Entity in charge of the register: _____
 - Address of the entity
 - 5.2. Street and number: _____
 - 5.3. Town: _____
 - 5.4. Country code: _____ 5.5. Post code: _____
 - 5.6. E-mail address: _____
 - 5.7. Reference to the register of authorised types: _____

⁷ This form may also be produced electronically.

⁸ The box before the modified item also has to be ticked.

⁹ Does not apply for the first registration; will be filled by the registering entity.

¹⁰ Until the Central Register of Authorised Types is available, fields 5.1-5.7 may be used for indicating a reference to the entity in charge of the register where the technical data of the vehicle can be found.

¹¹ The EU term is "Register of Authorised Types" (ERATV) and the OTIF term is Register of Admitted Types.

- ☐ **6. Restrictions**
- 6.1. Restrictions (code): _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _
..... _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _ , _ _ _
- 6.2. Restrictions (text): _____

INFORMATION ABOUT THE ENTITIES RESPONSIBLE FOR THE VEHICLE

- ☐ **7. Owner**
- 7.1. Name of the organisation: _____
- 7.2. Registered business number: _____
- Address of the organisation
- 7.3. Street and number: _____
- 7.4. Town: _____
- 7.5. Country code: _____ 7.6. Post code: _____
- ☐ **8. Keeper**
- 8.1. Name of the organisation: _____
- 8.2. Registered business number: _____
- Address of the organisation
- 8.3. Street and number: _____
- 8.4. Town: _____
- 8.5. Country code: _____ 8.6. Post code: _____
- 8.7. Vehicle Keeper Marking (VKM): _____

OPERATIONAL INFORMATION

- ☐ **9. Entity in charge of maintenance**
- 9.1. Name of the organisation: _____
- 9.2. Registered business number: _____
- Address of the organisation
- 9.3. Street and number: _____
- 9.4. Town: _____
- 9.5. Country code: _____ 9.6. Post code: _____
- 9.7. E-mail address: _____
- ☐ **10. Withdrawal**
- 10.1. Mode (code): _ _ _
- 10.2. Date: _ _ _ _ _ _ _ _
- ☐ **11. Contracting States where the vehicle is already authorised**
-

Identification of the entity applying for registration:

Date: _ _ _ _ _ _ Name of the responsible officer and Signature:

This part to be filled by the authority

COMPETENT AUTHORITY REFERENCES

1.1. Allocated Vehicle number ¹² _ _ _ _ _ - _ _

12. Authorisation number _ _ _ _ _

13. Admission to operation (Placing in service)

13.1. Date of the admission: _ _ _ _ _

13.2. Admission valid until: _ _ _ _ _

Date application received: _ _ _ _ _

Date of withdrawal: _ _ _ _ _

¹² Possible to attach a list for several vehicles of the same series or order.

APPENDIX 5 – GLOSSARY

Abbreviation	Definition
ACA	Authorising Competent Authority: competent authority as referred to in Article 5 of ATMF
CCS	Control Command and Signalling
CIS	Commonwealth of Independent States
COTIF	Convention concerning International Carriage by Rail
CR	Conventional Rail (System)
CTE	OTIF Committee of Technical Experts
DB	Database
EU	European Union
ECM	Entity in charge of Maintenance
EC VVR	European Centralized Virtual Vehicle Register
EIN	European Identification Number
EN	European Standard (Euro Norm)
EVN	Unique vehicle number
ERA	European Union Agency for Railways, also referred to as “the Agency”
ERTMS	European Rail Traffic Management System
HS	High speed (System)
IB	Investigating Body
ISO	International Organisation for Standardization
IM	Infrastructure Manager
INF	Infrastructure
IT	Information Technology
LR	Local Register
MS	Member State of the European Community
NoBo	Notified Body

Abbreviation	Definition
NSA	National Safety Authority
NVR	National Vehicle Register
OPE (TSI)	Traffic Operation and management (TSI)
OTIF	Intergovernmental Organisation for International Carriage by Rail
OTIF SG	OTIF Secretary General
RE	Registration Entity, e.g. the body responsible for keeping and updating the NVR
RB	Regulatory Body
RIC	Regulations governing the reciprocal use of carriages and brake vans in international traffic
RIV	Regulations concerning the reciprocal use of wagons in international traffic
RS or RST	Rolling Stock
RSRD (TAF)	Rolling Stock Reference Database (TAF)
RU	Railway Undertaking.
SEDP (TAF)	Strategic European Deployment Plan (TAF)
TAF (TSI)	Telematic Application for Freight (TSI)
TSI	Technical Specification for Interoperability. (for the EU)
VKM	Vehicle Keeper Marking
VKMR	Vehicle Keeper Marking Register
VVR	Virtual Vehicle Register
WAG (TSI)	Wagon (TSI)
WIMO (TAF)	Wagon and Intermodal Operational Database (TAF)