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safe railway system without frontiers.

Technical Document

List of Interoperability capabilities of vehicles – EVN digit 1 and 2

Document History

<i>Version</i>	<i>Date</i>	<i>Comments</i>
0.1	03/08/2023	Initial version.
0.2	03/10/2023	Following WP consultation

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1. Introduction

This Technical Document describes the Interoperability Codes to be used for the defining digits 1 and 2 of the European Vehicle Number.

It does not describe other numbers or markings eventually engraved or fixed in a permanent manner on the chassis or the main components of the vehicle during its construction.

2. Interoperability capability of the vehicle part of the EVN (1st and 2nd EVN digit)

Rolling stock group	Interoperability capability and vehicle type [2 figures] – Digit 1 and 2
Wagons	00 to 09 10 to 19 20 to 29 30 to 39 40 to 49 80 to 89
Hauled passenger vehicles, including driving coaches	50 to 59 60 to 69 70 to 79
Tractive rolling stock and units in a trainset in fixed or pre-defined formation	90 to 98
Special vehicles	99

2.1. Interoperability codes used for wagons (1st and 2nd EVN digit)

	2nd digit		0	1	2	3	4	5	6	7	8	9	2nd digit	
	1st digit	Track Gauge	fixed or variable	fixed	variable	fixed	variable	fixed	variable	fixed	variable	fixed or variable	Track Gauge	1st digit
Wagons conform to TSI WAG (a) including section 7.1.2 and all conditions set out in Appendix C	0	with axles	Not to be used	wagons		not to be used (c)						PPV/PPW wagons (variable gauge)	with axles	0
	1	with bogies											with bogies	1
	2	with axles		wagons						PPV/PPW wagons (fixed gauge)	with axles	2		
	3	with bogies									with bogies	3		
Other wagons	4	with axles (b)	maintenance related wagons	Other wagons						Wagons with special numbering for technical characteristics not placed in service inside EU	with axles (b)	4		
	8	with bogies (b)									with bogies (b)	8		
	1st digit	2nd digit	0	1	2	3	4	5	6	7	8	9	2nd digit	1st digit

(a) Commission Regulation (EU) No 321/2013 of 13 March 2013 concerning the technical specification for interoperability relating to the subsystem 'rolling stock — freight wagons' of the rail system in the European Union and repealing Decision 2006/861/EC

(b) Fixed or variable gauge.

(c) Except for wagons in category I (temperature-controlled wagons), not to be used for new vehicles authorised placed in service.

2.2. International traffic ability of hauled passenger vehicles, including driving coaches (1st and 2nd EVN digit)

	Domestic traffic	TEN ^(a) and/or COTIF ^(b) and/or PPV/PPW				Domestic traffic or international traffic by special agreement	TEN ^(a) and/or COTIF ^(b)	PPV/PPW		
2nd digit 1st digit	0	1	2	3	4	5	6	7	8	9
5	Vehicles for domestic traffic	Fixed-gauge non air-conditioned vehicles (including car-carrying wagons)	Gauge-adjustable (1435/1520) non-air-conditioned vehicles	Not to be used	Gauge-adjustable (1435/1668) non-air-conditioned vehicles	Historical vehicles	Not to be used ^(c)	Fixed-gauge vehicles	Gauge-adjustable (1435/1520) vehicles with change of bogies	Gauge-adjustable (1435/1520) vehicles with gauge-adjustable axles
6	Service vehicles	Fixed-gauge air-conditioned vehicles	Gauge-adjustable (1435/1520) air-conditioned vehicles	Service vehicles	Gauge-adjustable (1435/1668) air-conditioned vehicles	Car-carrying wagons	Not to be used ^(c)			
7	Air-conditioned and pressure-tight vehicles	Not to be used	Not to be used	Pressure-tight fixed-gauge air-conditioned vehicles	Not to be used	Other vehicles	Not to be used	Not to be used	Not to be used	Not to be used

^(a) Compliance with the applicable TSIs, see Commission Regulation (EU) 2015/995 appendix H, part.6.

^(b) Including vehicles, which according to existing regulations carry the digits defined in the present table. COTIF: vehicle compliant with COTIF regulation in force at the moment of placing in service

^(c) Excepted for coaches with fixed gauge (56) and adjustable gauge (66) already in service, not to be used for new vehicles

2.3. Tractive rolling stock and units in a trainset in fixed or pre-defined formation (1st and 2nd EVN digit)

The first digit is '9'.

The second digit describes the type of tractive stock:

Code	Tractive rolling stock and units in a trainset in fixed or pre-defined formation
0	Miscellaneous
1	Electric locomotive
2	Diesel locomotive
3	Electric multiple unit set (high speed) [power car or trailer]
4	Electric multiple unit set (except high speed) [power car or trailer]
5	Diesel multiple unit set [power car or trailer]
6	Specialised trailer
7	Electric shunting engine
8	Diesel shunting engine