

Annex 3: Amendments to the Annex II of the Commission Implementing Decision on the European register of authorised types of railway vehicles (2011/665/EU)

1. The ANNEX II 'DATA TO BE REGISTERED AND FORMAT' is replaced by the following:

'...'

DATA TO BE REGISTERED AND FORMAT

For each authorised type of vehicle, ERATV shall include the following data:

- identification of the type,
- manufacturer,
- conformity with the TSIs,
- authorisations, including general information about these authorisations, their status, list of parameters for which conformity with national rules has been checked,
- technical characteristics.

The data to be registered in ERATV for each type of vehicle and their format shall be as indicated below. The data to be registered depend on the category of the vehicle as indicated below.

The values indicated for the parameters related to the technical characteristics shall be those recorded in the file accompanying the application

In the cases where possible values for a parameter are limited to a predefined list, these lists shall be maintained and updated by the Agency.

For the types of vehicle that are not in conformity with all the relevant TSIs in force, the national safety authority that has granted the type authorisation may limit the information to be provided on the technical characteristics indicated in Section 4 below to the parameters that have been checked according to the applicable rules.

Parameter	Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use	
		1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles		
0	Identification of the type	Heading (no data)					
0.1	TYPE ID	[number] XX-XXX-XXXX-X (according to Annex III)	Y	Y	Y	Y	
0.2	Variant included in this type (according to Article 2(13) of Regulation (EU) 2018/545)	[alphanumeric] XXX	Y	Y	Y	Y	
0.4	Versions included in this type. (according to Article 2(14) of Regulation (EU) 2018/545)	[alphanumeric] XXX	Y	Y	Y	Y	
0.3	Date of record in ERATV	[date] DD-MM-YYYY	Y	Y	Y	Y	
1	General information	Heading (no data)					

Parameter	Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use	
		1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles		
1.1	Type name	[character string] (max 256 characters)	O	O	O	O	
1.2	Alternative type name	[character string] (max 256 characters)	O	O	O	O	
1.3	Manufacturer's name	Heading (no data)					
1.3.1	Manufacturer identification data	Heading (no data)					
1.3.1.1	Name of organisation	[character string] (max 256 characters) Selection from a predefined list, possibility to add new organisations	Y	Y	Y	Y	
1.3.1.2	Registered business number	Text	O	O	O	O	
1.3.1.3	Organisation code	Alphanumeric code	O	O	O	O	
1.3.2	Manufacturer contact data	Heading (no data)					
1.3.2.1	Address of organisation, street and number	Text	O	O	O	O	
1.3.2.2	Town	Text	O	O	O	O	
1.3.2.3	Country code	Code as in EC interinstitutional Style Guide	O	O	O	O	
1.3.2.4	Post code	Alphanumeric code	O	O	O	O	
1.3.2.5	E-mail address	E-mail	O	O	O	O	
1.4	Category	[character string] Selection from a predefined list (according to Annex III)	Y	Y	Y	Y	
1.5	Subcategory	[character string] Selection from a predefined list (according to Annex III)	Y	Y	Y	Y	
2	Conformity with TSIs	Heading (no data)					

Parameter	Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use	
		1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles		
2.1	Conformity with TSI	For each TSI: [character string] Y/N/Partial/Not applicable Selection from a predefined list of vehicle related TSIs (both in force and those that were previously in force) (multiple selection possible)	Y	Y	Y	Y	
2.2	EC certificate of verification : Reference of 'EC type examination certificates' (if module SB applied) and/or 'EC design examination certificates' (if module SH1 applied)	[character string] (possibility to indicate several certificates, e.g. certificate for rolling stock subsystem, certificate for CCS, etc.)	Y	Y	Y	Y	
2.3	Applicable specific cases (specific cases conformity with which has been assessed)	[character string] Selection from a predefined list (multiple selection possible) based on TSIs (for each TSI marked as Y or P)	Y	Y	Y	Y	
2.4	Sections of TSI not complied with	[character string] Selection from a predefined list (multiple selection possible) based on TSIs (for each TSI marked as P)	Y	Y	Y	Y	
3	Authorisations	Heading (no data)					
3.0	Area of use	[character string] Selection from a predefined list : MS - Network	Y	Y	Y	Y	
3.1	Authorisation in	Heading (no data)					

Parameter		Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use
			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
3.1.1	Member State of authorisation	[character string] Selection from a predefined list	Y	Y	Y	Y	
3.1.2	Current status	Heading (no data)					
3.1.2.1	Status	[character string] + [date] Possible options: Valid, Suspended DD-MM-YYYY, Revoked DD-MM-YYYY, to be renewed DD-MM-YYYY	Y	Y	Y	Y	
3.1.2.2	Validity of authorisation (if defined)	[date] DD-MM-YYYY	Y	Y	Y	Y	
3.1.2.3	Coded conditions for use and other restrictions	[character string] Code assigned by the Agency	Y	Y	Y	Y	
3.1.2.4	Non-coded conditions for use and other restrictions	[character string]	Y	Y	Y	Y	
3.1.3	Historical	Heading (no data)					
3.1.3.1	Original authorisation	Heading (no data)					
3.1.3.1.1	Date of the original authorisation	[date] DD-MM-YYYY	Y	Y	Y	Y	
3.1.3.1.2	Authorisation holder	Heading (no data)					
3.1.3.1.2.1	Authorisation holder identification data	Heading (no data)					
3.1.3.1.2.1.1	Name of organisation	[character string] (max 256 characters) Selection from a predefined list, possibility to add new organisations	Y	Y	Y	Y	
3.1.3.1.2.1.2	Registered business number	Text	Y	Y	Y	Y	
3.1.3.1.2.1.3	Organisation code	Alphanumeric code	O	O	O	O	

Parameter		Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use
			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
3.1.3.1. 2.2	Authorisation holder contact data	Heading (no data)					
3.1.3.1. 2.2.1	Address of organisation, street and number	Text	Y	Y	Y	Y	
3.1.3.1. 2.2.2	Town	Text	Y	Y	Y	Y	
3.1.3.1. 2.2.3	Country code	Code as in EC interinstitutional Style Guide	Y	Y	Y	Y	
3.1.3.1. 2.2.4	Post code	Alphanumeric code	Y	Y	Y	Y	
3.1.3.1. 2.2.5	E-mail address	E-mail	Y	Y	Y	Y	
3.1.3.1. 3	Authorisation document reference	[character string] (EIN)	Y	Y	Y	Y	
3.1.3.1. 4	Certificate of verification : Reference of type examination or design examination type	[character string] (Possibility to indicate several certificates, e.g. certificate for rolling stock subsystem, certificate for CCS, etc.)	Y	Y	Y	Y	
3.1.3.1. 5	Parameters for which conformity to applicable national rules has been assessed	[character string] Selection from a predefined list (multiple selection possible) based on Commission Decision 2015/2299/EU	Y	Y	Y	Y	
3.1.3.1. 6	Comments	[character string] (max 1 024 characters)	O	O	O	O	

Parameter		Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use
			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
3.1.3.1. 7	Reference to the written declaration by the proposer referred to in Article 3(11) of Regulation (EU) 402/2013	[character string]	Y	Y	Y	Y	
3.1.3.X	Modification of authorisation	Heading (no data) (X is progressive from 2 onwards, as many times as modifications of the authorisation of type have been issued)	Y	Y	Y	Y	
3.1.3.X. 1	Type of modification	[character string] Text from a predefined list	Y	Y	Y	Y	
3.1.3.X. 2	Date	[date] DD-MM- YYYY	Y	Y	Y	Y	
3.1.3.X. 3	Authorisation holder (if applicable)	[character string] (max 256 characters) Selection from a predefined list, possibility to add new organisations	Y	Y	Y	Y	
3.1.3.X. 3.1	Authorisation holder identification data	Heading (no data)					
3.1.3.X. 3.1.1	Name of organisation	[character string] (max 256 characters) Selection from a predefined list, possibility to add new organisations	Y	Y	Y	Y	
3.1.3.X. 3.1.2	Registered business number	Text	Y	Y	Y	Y	
3.1.3.X. 3.1.3	Organisation code	Alphanumeric code	O	O	O	O	
3.1.3.X. 3.2	Authorisation holder contact data	Heading (no data)					

Parameter		Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use
			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
3.1.3.X. 3.2.1	Address of organisation, street and number	Text	Y	Y	Y	Y	
3.1.3.X. 3.2.2	Town	Text	Y	Y	Y	Y	
3.1.3.X. 3.2.3	Country code	Code as in EC interinstitutional Style Guide	Y	Y	Y	Y	
3.1.3.X. 3.2.4	Post code	Alphanumeric code	Y	Y	Y	Y	
3.1.3.X. 3.2.5	E-mail address	E-mail	Y	Y	Y	Y	
3.1.3.X. 4	Authorisation modification document reference	[character string]	Y	Y	Y	Y	
3.1.3.X. 5	Certificate of verification: Reference of type examination or design examination type	[character string] (possibility to indicate several certificates, e.g. certificate for rolling stock subsystem, certificate for CCS, etc.)	Y	Y	Y	Y	
3.1.3.X. 6	Applicable national rules (if applicable)	[character string] Selection from a predefined list (multiple selection possible) based on Commission Decision 2015/2299/EU	Y	Y	Y	Y	
3.1.3.X. 7	Comments	[character string] (max 1 024 characters)	O	O	O	O	
3.1.3.X. 8	Reference to the written declaration by the proposer referred to in Article 3(11) of Regulation (EU) 402/2013	[character string]	Y	Y	Y	Y	

Parameter	Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use	
		1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles		
3.X	Authorisation in	Heading (no data) (X is progressive incremented by one unit from 2 onwards each time an authorisation for this type has been granted). This Section contains same fields as 3.1	Y	Y	Y	Y	
4	Technical characteristics of the vehicle	Heading (no data)					
4.1	General technical characteristics	Heading (no data)					
4.1.1	Number of driving cabs	[Number] 0/1/2	Y	Y	Y	Y	N
4.1.2	Speed	Heading (no data)					
4.1.2.1	Maximum design speed	[Number] km/h	Y	Y	Y	Y	N
4.1.3	Wheel set gauge	[character string] Selection from predefined list	Y	Y	Y	Y	Y
4.1.5	Maximum number of trainsets or locomotives coupled together in multiple operation.	[number]	Y	N	N	N	N
4.1.11	Changeover facility	[character string] Selection from predefined list	Y	Y	Y	Y	Y
4.2	Vehicle gauge	Heading (no data)					
4.2.1	Reference profile	[character string] Selection from predefined list (more than one possible) (the list will be different for different categories depending on the applicable TSI)	Y	Y	Y	Y	Y
4.3	Environmental conditions	Heading (no data)					
4.3.1	Temperature range	[character string] Selection from a predefined list (more than one possible)	Y	Y	Y	Y	N

Parameter	Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use	
		1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles		
4.3.3	Snow, ice and hail conditions	[character string] Selection from a predefined list	Y	Y	N	Y	N
4.4	Fire safety	Heading (no data)					
4.4.1	Fire safety category	[character string] Selection from a predefined list	Y	Y	N	Y	Y
4.5	Design mass and loads	Heading (no data)					
4.5.1	Permissible payload for different line categories	[number] t for line category [character string]	OP	OP	Y	OP	Y
4.5.2	Design mass	Heading (no data)					
4.5.2.1	Design mass in working order	[number] kg	Y	Y	O	Y	Y
4.5.2.2	Design mass under normal payload	[number] kg	Y	Y	O	Y	Y
4.5.2.3	Design mass under exceptional payload	[number] kg	Y	Y	N	Y	Y
4.5.3	Static axle load	Heading (no data)					
4.5.3.1	Static axle load in working order	[number] kg	Y	Y	O	Y	Y
4.5.3.2	Static axle load under normal payload	[number] kg	Y	Y	Y	Y	Y
4.5.3.3	Static axle load under exceptional payload	[number] kg	Y	Y	N	Y	Y
4.5.3.4	Position of the axles along the unit (axle spacing) : a: Distance between axles b: Distance from end axle to the end of the nearest coupling plane c: distance between two inside axles	a [number] m b [number] m c [number] m	Y	Y	Y	Y	Y
4.6	Rolling stock dynamic behaviour	Heading (no data)					
4.6.4	Combination of maximum speed and maximum cant deficiency for which the vehicle was assessed	[number] km/h - [number] mm	Y	Y	Y	Y	Y
4.6.5	Rail inclination.	[character string] from a predefined list	Y	Y	Y	Y	Y

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			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
4.7	Braking	Heading (no data)					
4.7.1	Maximum average deceleration	[number] m/s ²	Y	N	N	Y	N
4.7.2	Thermal capacity	Heading (no data)					
4.7.2.1	Brake performance on steep gradients with normal payload	Heading (no data)					
4.7.2.1.1	Reference case of TSI	[character string] from a predefined list	Y	Y	Y	Y	N
4.7.2.1.2	Speed (if no reference case is indicated)	[number] km/h	Y	Y	Y	Y	N
4.7.2.1.3	Gradient (if no reference case is indicated)	[number] ‰ (mm/m)	Y	Y	Y	Y	N
4.7.2.1.4	Distance (if no reference case is indicated)	[number] km	Y	Y	Y	Y	N
4.7.2.1.5	Time (if distance is not indicated) (if no reference case is indicated)	[number] min	Y	Y	Y	Y	N
4.7.3	Parking brake	Heading (no data)					
4.7.3.3	Maximum gradient on which the unit is kept immobilised by the parking brake alone (if the vehicle is fitted with it)	[number] ‰ (mm/m)	Y	Y	Y	Y	N
4.7.3.4	Parking brake	[Boolean] Y/N	N	N	Y	N	N
4.7.4	Braking systems fitted on the vehicle	Heading (no data)					
4.7.4.1	Eddy current brake	Heading (no data)					
4.7.4.1.1	Eddy current track brake fitted	[Boolean] Y/N	Y	Y	N	Y	Y
4.7.4.1.2	Possibility of preventing the use of the eddy current track brake (only if fitted with eddy current track brake)	[Boolean] Y/N	Y	Y	N	Y	Y
4.7.4.2	Magnetic brake	Heading (no data)					
4.7.4.2.1	Magnetic track brake fitted	[Boolean] Y/N	Y	Y	N	Y	Y
4.7.4.2.2	Possibility of preventing the use of the magnetic track brake (only if fitted with magnetic brake)	[Boolean] Y/N	Y	Y	N	Y	Y

Parameter		Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use
			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
4.7.4.3	Regenerative brake (only for vehicles with electrical traction)	Heading (no data)					
4.7.4.3.1	Regenerative brake fitted	[Boolean] Y/N	Y	N	N	Y	Y
4.7.5	Emergency brake : Stopping distance and deceleration profile for each load condition per design maximum speed	[number] m [number] m/s ²	Y	Y	N	Y	N
4.7.6	For general operation : Brake weight percentage (lambda) or Braked mass	Lambda (%) [number] tonnes	Y	Y	Y	Y	N
4.7.7	Service brake: At maximum service brake: Stopping distance, Maximum deceleration, for the load condition 'design mass under normal payload' at the design maximum speed.	[number] m [number] m/s ²	Y	Y	Y	Y	N
4.7.8	Wheel slide protection system	[Boolean] Y/N	Y	Y	Y	Y	N
4.8	Geometrical characteristics	Heading (no data)					
4.8.1	Vehicle length	[number] m	Y	Y	Y	Y	N
4.8.2	Minimum in-service wheel diameter	[number] mm	Y	Y	Y	Y	Y
4.8.4	Minimum horizontal curve radius capability	[number] m	Y	Y	N	Y	Y
4.9	Equipment	Heading (no data)					
4.9.1	Type of end coupling	[Character string] From a predefined list (multiple selection possible)	Y	Y	Y	Y	N
4.9.4	On-board detection system	[Boolean] Y/N	Y	Y	Y	Y	Y
4.10	Energy supply	Heading (no data)					
4.10.1	Energy supply system (voltage and frequency)	[Character string] From a predefined list (multiple selection possible)	Y	Y	N	Y	Y
4.10.4	Maximum current at standstill per pantograph (to be indicated for each DC systems the vehicle is equipped for)	[Number] A for [Voltage automatically prefilled in]	Y	Y	N	Y	N

Parameter		Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use
			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
4.10.5	Height of interaction of pantograph with contact wires (over top of rail) (to be indicated for each energy supply system the vehicle is equipped for)	[Number] From [m] to [m] (with two decimals)	Y	Y	N	Y	Y
4.10.6	Pantograph head geometry (to be indicated for each energy supply system the vehicle is equipped for)	[Character string] for [energy supply system automatically prefilled in] From a predefined list (multiple selection possible)	Y	Y	N	Y	Y
4.10.7	Number of pantographs in contact with the overhead contact line (OCL) (to be indicated for each energy supply system the vehicle is equipped for)	[Number]	Y	Y	N	Y	Y
4.10.8	Shortest distance between two pantographs in contact with the OCL (to be indicated for each energy supply system the vehicle is equipped for; to be indicated for single and, if applicable, multiple operation) (only if number of raised pantographs is more than 1)	[Number] [m]	Y	Y	N	Y	Y
4.10.10	Material of pantograph contact strip the vehicle may be equipped with (to be indicated for each energy supply system the vehicle is equipped for)	[Character string] for [energy supply system automatically prefilled in] From a predefined list (multiple selection possible)	Y	Y	N	Y	Y
4.10.14	Electric units equipped with power or current limitation function (Y/N)	[Boolean] Y/N	Y	N	N	Y	Y
4.12	Passenger related characteristics	Heading (no data)					
4.12.3.1	Platform heights for which the vehicle is designed.	[Number] from predefined list (multiple selection possible)	Y	Y	N	N	Y
4.13	On-board CCS equipment (for vehicles with a driving cab only)	Heading (no data)					
4.13.1	Signalling	Heading (no data)					

Parameter	Data format	Applicability to vehicle categories (Yes, No, Optional, Open Point)				Parameters for technical compatibility between Vehicle and the network(s) of area of use	
		1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles		
4.13.1.1	ETCS equipment on-board and the set of specifications from CCS TSI Annex A	[Character string] From a predefined list	Y	N	N	Y	Y
4.13.1.5	Class B or other train protection, control and warning systems installed (system and, if applicable, version)	[Character string] From a predefined list (more than one option possible)	Y	N	N	Y	Y
4.13.1.6	Special conditions implemented on-board to switch over between different train protection, control and warning systems.	[Character string] From combination of systems installed on board ('System XX'/'System YY') (more than one option possible)	Y	N	N	Y	N
4.13.7	ETCS on-board implementation	[Character string]	Y	N	N	Y	Y
4.13.8	ETCS System Compatibility	[Character string] From a predefined list (more than one option possible)	Y	N	N	Y	Y
4.13.2	Radio	Heading (no data)					
4.13.2.1	GSM-R Radio voice on board and its Baseline	[Character string] From a predefined list	Y	N	N	Y	Y
4.13.2.3	Class B or other radio systems installed (system and, if applicable, version)	[Character string] From a predefined list (more than one option possible)	Y	N	N	Y	Y
4.13.2.4	Special conditions implemented on-board to switch over between different radio systems.	[Character string] From combination of systems installed on board ('System XX'/'System YY') (more than one option possible)	Y	N	N	Y	N
4.13.2.5	Radio Voice System Compatibility	[Character string] From a predefined list (more than one option possible)	Y	N	N	Y	Y
4.13.2.6	Voice and operational communication implementation	[Character string]	Y	N	N	Y	Y

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			1. Traction vehicles	2. Hauled passenger vehicles	3. Freight wagons	4. Special vehicles	
4.13.3.1	GSM-R Radio Data communication on board and its Baseline	[Character string] From a predefined list	Y	N	N	Y	Y
4.13.3.2	Radio Data System Compatibility	[Character string] From a predefined list (more than one option possible)	Y	N	N	Y	Y
4.13.3.3	Data communication application for ETCS implementation	[Character string]	Y	N	N	Y	Y
4.14	Compatibility with train detection systems	Heading (no data)					
4.14.1	Type of train detection systems for which the vehicle has been designed and assessed	[Character string] From a predefined list (more than one option possible)	Y	Y	Y	Y	Y

Notes:

1. Where a parameter is defined in the applicable TSI, the value indicated for the parameter shall be the one assessed in the verification procedure.
2. Predefined lists shall be maintained and kept updated by the Agency in accordance with the TSIs in force, including the TSIs that may be applied during a transitional period.
3. For parameters indicated as 'open point' no data shall be introduced until the 'open point' is closed in the relevant TSI.
4. For parameters indicated as 'optional', indication of data shall be subject to the decision of the applicant for the type authorisation.
5. Fields 0.1-0.4 shall be filled in by the Agency.