

# DECISIONS

## COMMISSION IMPLEMENTING DECISION (EU) 2021/701

of 27 April 2021

### correcting Implementing Decision 2011/665/EU on the European register of authorised types of railway vehicles

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union <sup>(1)</sup>, and in particular Article 48(2) thereof,

Whereas:

- (1) Commission Implementing Decision 2011/665/EU <sup>(2)</sup> has been amended by Implementing Regulation (EU) 2019/776 <sup>(3)</sup> as regards the alignment with Directive (EU) 2016/797 and the implementation of specific objectives set out in Commission Delegated Decision (EU) 2017/1474 <sup>(4)</sup>.
- (2) Implementing Decision 2011/665/EU contains several errors in Table 2 of Annex II, namely several parameters of the European register of authorised types of railway vehicles should not apply to freight wagons.
- (3) Implementing Decision 2011/665/EU should therefore be corrected.
- (4) The measures provided for in this Decision are in accordance with the opinion of the Committee referred to in Article 51(1) of Directive (EU) 2016/797,

HAS ADOPTED THIS DECISION:

#### Article 1

Table 2 of Annex II to Implementing Decision 2011/665/EU is corrected in accordance with the Annex to this Decision.

<sup>(1)</sup> OJ L 138, 26.5.2016, p. 44.

<sup>(2)</sup> Commission Implementing Decision 2011/665/EU of 4 October 2011 on the European register of authorised types of railway vehicles (OJ L 264, 8.10.2011, p. 32).

<sup>(3)</sup> Commission Implementing Regulation (EU) 2019/776 of 16 May 2019 amending Commission Regulations (EU) No 321/2013, (EU) No 1299/2014, (EU) No 1301/2014, (EU) No 1302/2014, (EU) No 1303/2014 and (EU) 2016/919 and Commission Implementing Decision 2011/665/EU as regards the alignment with Directive (EU) 2016/797 of the European Parliament and of the Council and the implementation of specific objectives set out in Commission Delegated Decision (EU) 2017/1474 (OJ L 139I, 27.5.2019, p. 108).

<sup>(4)</sup> Commission Delegated Decision (EU) 2017/1474 of 8 June 2017 supplementing Directive (EU) 2016/797 of the European Parliament and of the Council with regard to specific objectives for the drafting, adoption and review of technical specifications for interoperability (OJ L 210, 15.8.2017, p. 5).

*Article 2*

This Decision shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Done at Brussels, 27 April 2021.

*For the Commission*  
*The President*  
Ursula VON DER LEYEN

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## ANNEX

In Table 2 of Annex II to Implementing Decision 2011/665/EU, the rows with parameters numbered 4.5.2 to 4.8.6 are replaced by the following:

	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	
<b>4.5.2</b>	<b>Design mass</b>	<b>Heading (no data)</b>					
4.5.2.1	Design mass in working order	[number] kg	Y	Y	N	Y	Y
4.5.2.2	Design mass under normal payload	[number] kg	Y	Y	N	Y	Y
4.5.2.3	Design mass under exceptional payload	[number] kg	Y	Y	N	Y	Y
<b>4.5.3</b>	<b>Static axle load</b>	<b>Heading (no data)</b>					
4.5.3.1	Static axle load in working order	[number] kg	Y	Y	N	Y	Y
4.5.3.2	Static axle load under normal payload	[number] kg	Y	Y	N	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  Explanation of the values for a, b and c [character string]	Y	Y	N	Y	Y
4.5.5	Total vehicle mass (for each vehicle of the unit)	[number] kg	Y	Y	N	Y	Y
4.5.6	Mass per wheel	[number] kg	Y	Y	N	Y	Y
<b>4.6</b>	<b>Rolling stock dynamic behaviour</b>	<b>Heading (no data)</b>					
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
<b>4.7</b>	<b>Braking</b>	<b>Heading (no data)</b>					
4.7.1	Maximum average deceleration	[number] m/s <sup>2</sup>	Y	N	N	Y	N
<b>4.7.2</b>	<b>Thermal capacity</b>	<b>Heading (no data)</b>					
<b>4.7.2.1</b>	<b>Brake performance on steep gradients with normal payload</b>	<b>Heading (no data)</b>					
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
4.7.2.1.6	Maximum brake thermal energy capacity	[number] kJ	Y	Y	Y	Y	N
<b>4.7.3</b>	<b>Parking brake</b>	<b>Heading (no data)</b>					
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	N	Y	N
4.7.3.4	Parking brake	[Boolean] Y/N	N	N	Y	N	N
<b>4.7.4</b>	<b>Braking systems fitted on the vehicle</b>	<b>Heading (no data)</b>					
<b>4.7.4.1</b>	<b>Eddy current brake</b>	<b>Heading (no data)</b>					
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

<b>4.7.4.2</b>	<b>Magnetic brake</b>	<b>Heading (no data)</b>					
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
<b>4.7.4.3</b>	<b>Regenerative brake (only for vehicles with electrical traction)</b>	<b>Heading (no data)</b>					
4.7.4.3.1	Regenerative brake fitted	[Boolean] Y/N	Y	N	N	Y	Y
4.7.4.3.2	Possibility of preventing the use of the regenerative brake (only if fitted with regenerative brake)	[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 <sup>2</sup>	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 <sup>2</sup>	Y	Y	Y	Y	N
4.7.8	Wheel slide protection system	[Boolean] Y/N	Y	Y	Y	Y	N
<b>4.8</b>	<b>Geometrical characteristics</b>	<b>Heading (no data)</b>					
4.8.1	Vehicle length	[number] m	Y	Y	N	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
4.8.5	Minimum vertical convex curve radius capability	[number] m	Y	Y	Y	Y	N
4.8.6	Minimum vertical concave curve radius capability	[number] m	Y	Y	Y	Y	N