



Economic Commission for Europe**Inland Transport Committee****Working Party on Intermodal Transport and Logistics****Sixty-fourth session**

Geneva, 20–22 October 2021

Item 3 (c) of the provisional agenda

**European Agreement on Important International Combined
Transport Lines and Related Installations:
Implementation of the Agreement****Comparison between AGTC and TEN-T railway lines and
related installations – comparison of technical standards and
operational parameters****Note by the secretariat****I. Introduction**

1. The Working Party on Intermodal Transport and Logistics (WP.24), at its sixty-third session, recognized that for the ECE member States that are at the same time members of the European Union, the implementation of the European Agreement on Important International Combined Transport Lines and Related Installations (AGTC) can be possibly achieved through the implementation of the Trans-European Transport Network (TEN-T) for railway lines. WP.24 requested therefore that a comparison of AGTC and TEN-T railway lines and related installations as well as their technical standards and operational parameters is prepared and presented at the sixty-fourth session.
2. This current document contains such a comparison of technical standards and operational parameters.
3. The requirements for railway infrastructure development on the TEN-T have been sourced from Regulation (EU) No 1315/2013 of the European Parliament and of the Council of 11 December 2013 on Union guidelines for the development of the Trans-European Transport Network and repealing Decision No 661/2010/EU.
4. WP.24 is invited to review and reflect on the results of the comparison of technical standards and operational parameters.

II. Comparison of infrastructure requirements

5. Regulation (EU) No 1315/2013 sets forth the following requirements for the railway transport infrastructure of the TEN-T:
 - full electrification of the line tracks and, as far as necessary for electric train operations, sidings;

- at least 22,5 t axle load at 100 km/h line speed on freight lines of the core network: and the possibility of running trains with a length of 740 m;
- full deployment of ERTMS;
- line tracks of 1 435 mm nominal track gauge for new railway lines: except in cases where the new line is an extension on a network the track gauge of which is different and detached from the main rail lines in the Union.

6. The European Commission collects information from the European Union Member States on the progress in implementing these requirements. This information is collected and presented to the public on TENtec platform.

7. The platform contains, in addition to the information on the above requirements, also information on structure gauge and combined transport profile for semi-trailers.

8. The AGTC sets forth requirements for infrastructure parameters for the network of important international combined transport lines as provided in the table below:

		A		B		
		Existing lines which meet the infrastructure requirements and lines to be improved or reconstructed		New lines		
		at present	target values			
1.	Number of tracks	(not specified)	(not specified)	2		
2.	Vehicle loading gauge		UIC B ²	UIC C ²		
3.	Minimum distance between track centres ¹		4,0 m	4,2 m		
4.	Nominal minimum speed ³	100 km/h	Line category	Speed	Line category	Speed
			F1	120	F1	120
			F2	120	F2	120
			F3	100	F3	100
			F4	n.a.	F4	n.a.
			F1520	120	F1520	120
			F1600	100	F1600	100
5.	Authorized mass per axle:					
	Wagons ≤ 100 km/h	20 t	22,5 t	22,5 t		
	≤ 120 km/h	20 t	20 t	20 t		
6.	Maximum gradient ¹	(not specified)	(not specified)	12.5 mm/m		
7.	Minimum useful siding length	600 m	750 m	750 m		

9. The table below compares the requirements of TEN-T and AGTC:

	<i>TEN-T requirements</i>	<i>AGTC existing lines parameters</i>	<i>AGTC new lines parameters</i>
Line electrification	Full electrification	n.a.	n.a.
Mass per axle	22.5 at 100km/h	22.5 at 100km/h and 20 at 120 km/h	22.5 at 100km/h and 20 at 120 km/h
Train length/siding length	740m	750m	750m
ERTMS	Full deployment	n.a.	n.a.
Track gauge	1 435 mm	n.a.	n.a.
Number of tracks	n.a.	n.a.	2
Vehicle loading gauge	Information provided on structure gauge – see below	UIC B	UIC C
Structure gauge	Information provided if gauges are GA, GB, GC, W or other	n.a.	n.a.
Combined transport profile for semi-trailers	Information provided on profiles from P 45 to P 80 and from P 349 to P 410	UIC B loading gauge allows transport of semi-trailers on recess wagons	UIC C loading gauge allows transport of ordinary semi-trailers on recess wagons with normal bogies
Minimum distance between tracks	n.a.	4.0 m	4.2 m
Maximum gradient	n.a.	n.a.	12.5 mm/m