

Total power of Energy grid connection to recharging station <sup>1</sup>	Base network	3,6 MW	6,8 MW	8,4 MW	8,4 MW
	Comprehensive network	2,8 MW	3,4 MW	3,6 MW	4,2 MW
Due date		31.12.2025	31.12.2027	31.12.2030	31.12.2035
LDV base TEN-T		In a distance of 60 km 400 kW (min. 1 x 150 kW)	In a distance of 60 km 600 kW (min. 2 x 150 kW)		
LDV comprehensive TEN-T			In a distance of 60 km 50% of comprehensive net. 300 kW (min. 1 x 150 kW)	In a distance of 60 km 300 kW (min. 1 x 150 kW)	In a distance of 60 km 600 kW (2 x 150 kW)
Flexibility mechanism:		May serve 2 directions of travel (if power is as for two directions) May serve 2 directions of travel with a power as for one direction (if <8500 ADT of LDV) If serves 1 direction of travel the power may be decreased by 50% (if <8500 ADT of LDV) The distance can be extended to 100 km (if <3000 ADT of light vehicles)			
HDV base TEN-T				In a distance of 60 km 3600 kW (2 x 350 kW)	
HDV comprehensive TEN-T		15% of all TEN-T In a distance of 120 km 1400 kW (min. 1 x 350 kW)	50% of all TEN-T In a distance of 120 km base: 2800 kW (min.2x350) com.: 1400 kW (min.1x350)	In a distance of 100 km 1500 kW (1 x 350 kW)	
Flexibility mechanism:		May serve 2 directions of travel (if power is as for two directions) May serve 2 directions of travel with a power as for one direction (if <2000 ADT of HDV) If serves 1 direction of travel the power may be decreased by 50% (if <2000 ADT of HDV) The distance can be extended to 100 km (if <800 ADT of HDV)			

Max. distances must be saved on all trans-border sections within UE. Recharging stations located up to 3 km from TEN-T junction are recognised as ‘on TEN-T’ – appropriate signposting is required.

#### **Additional requirements AFIR:**

**HYDROGEN on base TEN-T network:** By December 31, 2030 r. HRS in each 200 km with a min. capacity of 1 t./day and pressure of 700 bar (0,5 t/day if ADT <2000 HDV/day); HRS up to 10 km from TEN-T junction are recognised as ‘on TEN-T’.

**URBAN NODES:** By 2025 r. recharging stations for HDV with the min. power of 900 kW; By 2030 r. the power of 1800 kW. Public Hydrogen Refuelling Station in each urban node (min. 100 000 inhabitants) – if meets capacity and pressure requirements as for TEN-T and in a distance of 10 km – recognised as fulfilment of AFIR).

**SAVE AND SECURE PARKINGS:** By 2027 r. recharging stations for HDV 2 x 100 kW, by 2030 r. 4 x 100 kW

<sup>1</sup> If on one service point there is a recharging infrastructure for LDV and HDV and that one service point is connected and the twin service point vis a vis (on the other side of the road) is connected by cable under the road by moling method.