

# Ministerstwo Infrastruktury

# Alternative fuels infrastructure

- New EU law enabling speed up with energy transformation in transport sector and its consequences to member states

REGULATION (EU) 2023/1804 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 13 September 2023 on the deployment of alternative fuels infrastructure, and repealing Directive 2014/94/EU

- Final version agreed by the Council of European Union on July 25,2023
- Publicated in Official Journal of the European Union on September 22,2023
- Apply from 13 April 2024
- Binding in its entirety and directly applicable in all Member States
- Sets targets for electric charging and hydrogen in road, maritime and aviation sectors

#### As of when?

- Enter into force on October 13, 2023
- Apply on April 13, 2024
- Direct articles refer to the year of application (2024)
- Three main dates on TEN-T network:
  - by the end of 2025,
  - by the end of 2027,
  - by the end of 2030.

#### Article 3 - Targets for recharging infrastructure dedicated to eLDV

- At the end of each year, starting from (2024) publicly accessible recharging stations offers
  - 1,3 kw / each registered battery LDV
  - 0,8 kw / each registered Plug-in LDV
  - Cap: registered battery LDV >= 15% of all registered LDV in the MS

### Article 3 - Targets for recharging infrastructure for LDV on TEN-T network

- TEN-T core road network maximum distance of 60 km
  - 400 kW (min. 1 x 150 kW) by 2025
  - 600 kW (min. 2 x 150 kW) by 2027
- TEN-T comprehensive network maximum distance of 60 km
  - 300 kW (min. 1 x 150 kW) by 2027 on 50%
  - 300 kW (min. 1 x 150 kW) by 2030
  - 600 kW (min. 2 x 150 kW) by 2035
- Neighbouring MS shall ensure that the maximum distances are not exceeded for cross-border sections

## Article 3 - Targets for recharging infrastructure for LDV on TEN-T network

- Flexibility mechanism:
  - Pool may serve two directions of travel provided that:
    - is easily accessible,
    - is signposted,
    - the requirements are complied <u>for both directions of travel</u> (power, number of ultrafast chargers)
      - except for roads with total annual average daily traffic below 8500 LDV.
  - Total **power of pool may be reduced by 50%** if it serves only one direction of travel and total annual average daily traffic is below 8500 LDV.
  - The distance of 60 km between recharging stations may be extended to 100 km if the total annual average daily traffic is below 3000 LDV and it is signposted.
  - Derogations must be notified to the Commission

#### Article 4 - Targets for recharging infrastructure for HDV on TEN-T network

- On 15% of total TEN-T network by 2025 max. distance 120 km
  - 1400 kW (min. 1 x 350 kW) by 2025.
- On 50% of total TEN-T network by 2027 max. distance 120 km
  - 2800 kW (min. 2 x 350 kW),
  - 1400 kW (min. 1 x 350 kW).
- TEN-T core road network **by 2030** max. distance of 60 km
  - 3600 kW (min. 2 x 350 kW).
- TEN-T comprehensive network by 2030 max. distance of 100 km
  - 1500 kW (min. 1 x 350 kW).
- Neighbouring MS shall ensure by 2030 that the maximum distances are not exceeded for crossborder sections

## Article 4 - Targets for recharging infrastructure for HDV on TEN-T network

- Flexibility mechanism:
  - Pool may serve two directions of travel provided that:
    - is easily accessible,
    - is signposted,
    - the requirements are complied <u>for both directions of travel</u> (power, number of ultrafast chargers, etc.)
      - except for roads with total annual average daily traffic below 2000 HDV.
  - Total **power of pool may be reduced by 50%** if it serves only one direction of travel and total annual average daily traffic is below 2000 HDV.
  - The distance of 60 km between recharging stations may be extended to 100 km if the total annual average daily traffic is below 800 HDV and it is signposted.
  - Derogations must be notified to the Commission

#### Article 4 – Other targets for recharging infrastructure for HDV

- In each urban node pool of 900 kW (min. 150 kw each point) by 2025
- In each urban node pool of 1800 kW (min. 150 kw each point) by **2030**
- in each safe and secure parking area at least 2 x 100 kW by 2027
- in each safe and secure parking area at least 4 x 100 kW by 2030

### Article 5 - other requirements

- Recharging possible on an ad-hoc basis.
- Payment instrument that is widely used in the Union, at least one of the following:
  - payment card readers,
  - devices with a contactless functionality that is at least able to read payment cards,
  - for publicly accessible recharging points with a power output below 50 kW, devices using an internet connection and allowing for **secure payment transactions such as** those generating a specific **Quick Response code**.
- Existing recharging stations with power >=50kW, to be upgraded in payment methods up till 2027.
- Prices shall be reasonable, easily and clearly comparable, transparent and non-discriminatory.
- Points are digitally-connected (6 months after the application of the regulation) and capable of smart recharging (all new and renovated as of application of the regulation).

#### Article 6 - targets for hydrogen

- Publicly accessible hydrogen refuelling stations are deployed along the TEN-T core network
- 31 December 2030,
- a maximum distance of 200 km (not exceeded for cross-border sections),
- a minimum cumulative capacity of 1 tonne per day,
- at least 700 bar dispenser.

#### Article 6 - targets for hydrogen

- Flexibility mechanism:
  - ADT <= 2 000 heavy-duty vehicles, the capacity may be reduced to 500 kg / day, provided that HRS complies with the pressure and distance targets,
  - Derogations must be notified to the Commission.

### Article 7 – additional targets for hydrogen

- Refuelling possible on an ad-hoc basis.
- Payment instrument that is widely used in the Union, at least one of the following:
  - payment card readers,
  - devices with a **contactless** functionality that is at least able to **read payment cards**.
- Existing HRS stations, to be upgraded in payment methods up till October 14, 2024.
- Prices shall be reasonable, easily and clearly comparable, transparent and non-discriminatory.
- Clearly shown an information on the ad hoc price per kg.
- HRS present in each urban node.

Ministerstwo Infrastruktury

#### Article 8 - Infrastructure for liquefied methane

Until 31 December 2024, Member States shall ensure that <u>an appropriate number</u> of publicly accessible refuelling points for liquefied methane are deployed, <u>at least along the TEN-T core network</u>, in order <u>to allow</u> heavy-duty motor vehicles using liquefied methane <u>to circulate throughout the Union</u>, **where there is demand**, **unless the costs** of doing so **are disproportionate to the benefits**, including environmental benefits.

# Thank You

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