



SUSTAINABLE & SMART **MOBILITY STRATEGY**

Greening the transport sector in the EU

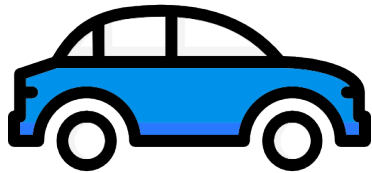


The European Green Deal

- **New Growth Strategy:** EU to be climate neutral 2050 (Union- and economy-wide, net-zero)
- **2030** – reduction by **at least 55%** of (net) greenhouse gas emissions
- Binding requirement established by the **European Climate Law**
- **Sustainable and Smart Mobility Strategy** which leaves nobody behind –
- **-90% emissions reductions by 2050**

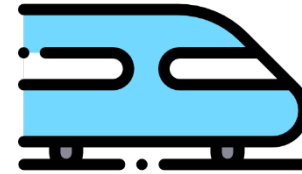


Fuels and modes



Road

- ✓ Traction for zero-emission **electric powertrains** (cars, vans and buses, trucks)
- ✓ **Hydrogen** particularly key for HDVs
- ✓ Other sustainable **alternative fuels** as pushed by Renewable Energy Directive (e.g. biofuels, synthetic fuels) differentiating the types of vehicles and services



Rail

- ✓ Rail is already electrified to a large extent. Focus on **renewable electricity**
- ✓ **Hybrid systems** (battery or hydrogen fuel cell) can replace diesel operations when electrification is not possible
- ✓ Rail could aim at **climate neutrality** in 10-15 years

Fuels and modes



Maritime

- ✓ **Basket of fuel** measures needed
- ✓ Push for **on-shore power supply** in ports
- ✓ **LNG** remains relevant for deep-sea shipping with clear pathway for blending with biogas/ methane while developing alternatives
- ✓ Zero-emission ocean going ships by 2030 (SSMS); IWW can adopt zero-emission technologies earlier



Aviation

- ✓ **Advanced biofuels** and **e-fuels** are realistic options for decarbonisation in the short term
- ✓ Aviation should not suffer **shortages in supply** because of demands from sectors that have other alternatives at hand
- ✓ Large-scale zero-emission aircraft expected by 2035 (SSMS)



Fit for 55 Package (14 July 2021)

- Implementation of European Green Deal
- Bring EU policy framework in line with climate objective of -55% emissions by 2030.
- 13 initiatives, of which 11 with direct effects on transport

Approach

- **A set of interconnected proposals, which represent a balance between :**
 - **strengthened carbon pricing:** CO2 emissions must have a price that incentivises consumers, producers and innovators to choose clean technologies.
 - **a number of regulatory measures** (new targets, standards).
 - **support measures: Social Climate Fund** will provide funding to Member States to support those citizens at risk of energy and/or mobility poverty.

Efficient and Green Mobility (14 Dec. 2021)

Revision of
Intelligent Transport
System Directive



Revision of
Regulation on
Guidelines for TEN-T
network



New Urban Mobility
Policy Framework

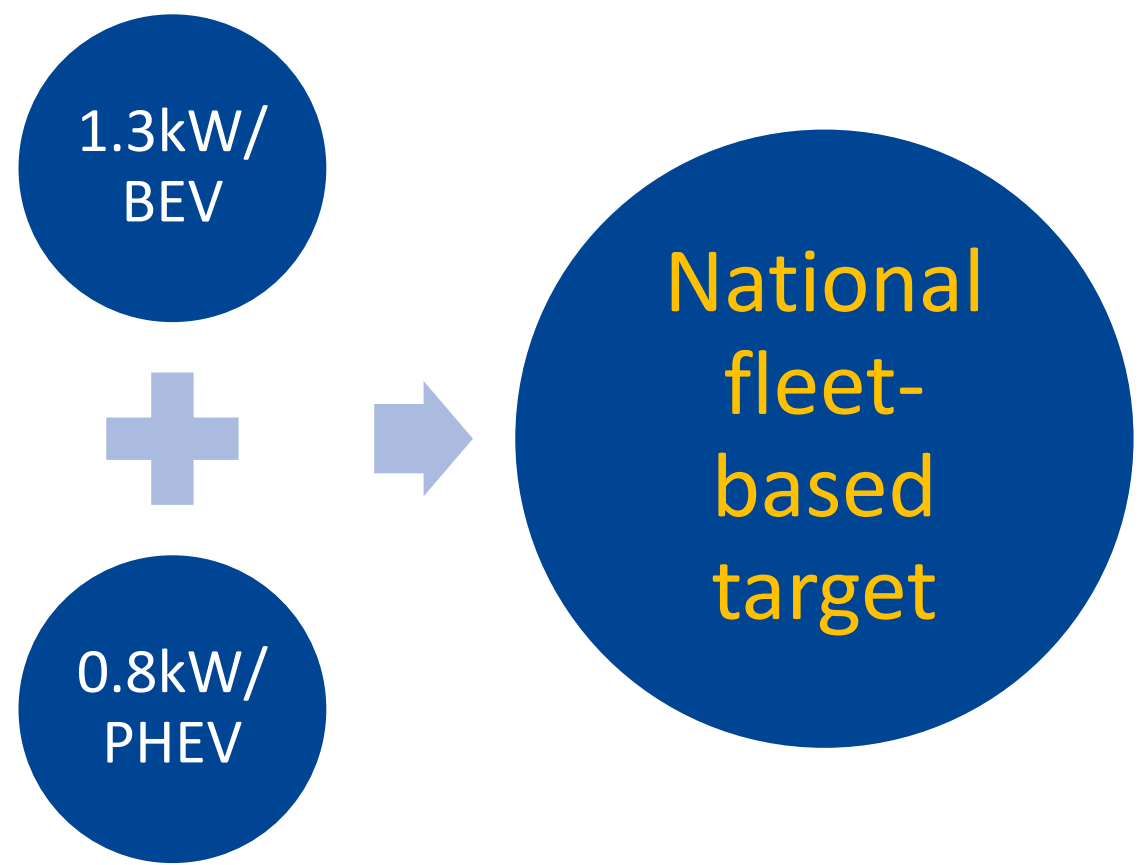


Action Plan to boost
long-distance and
cross-border rail



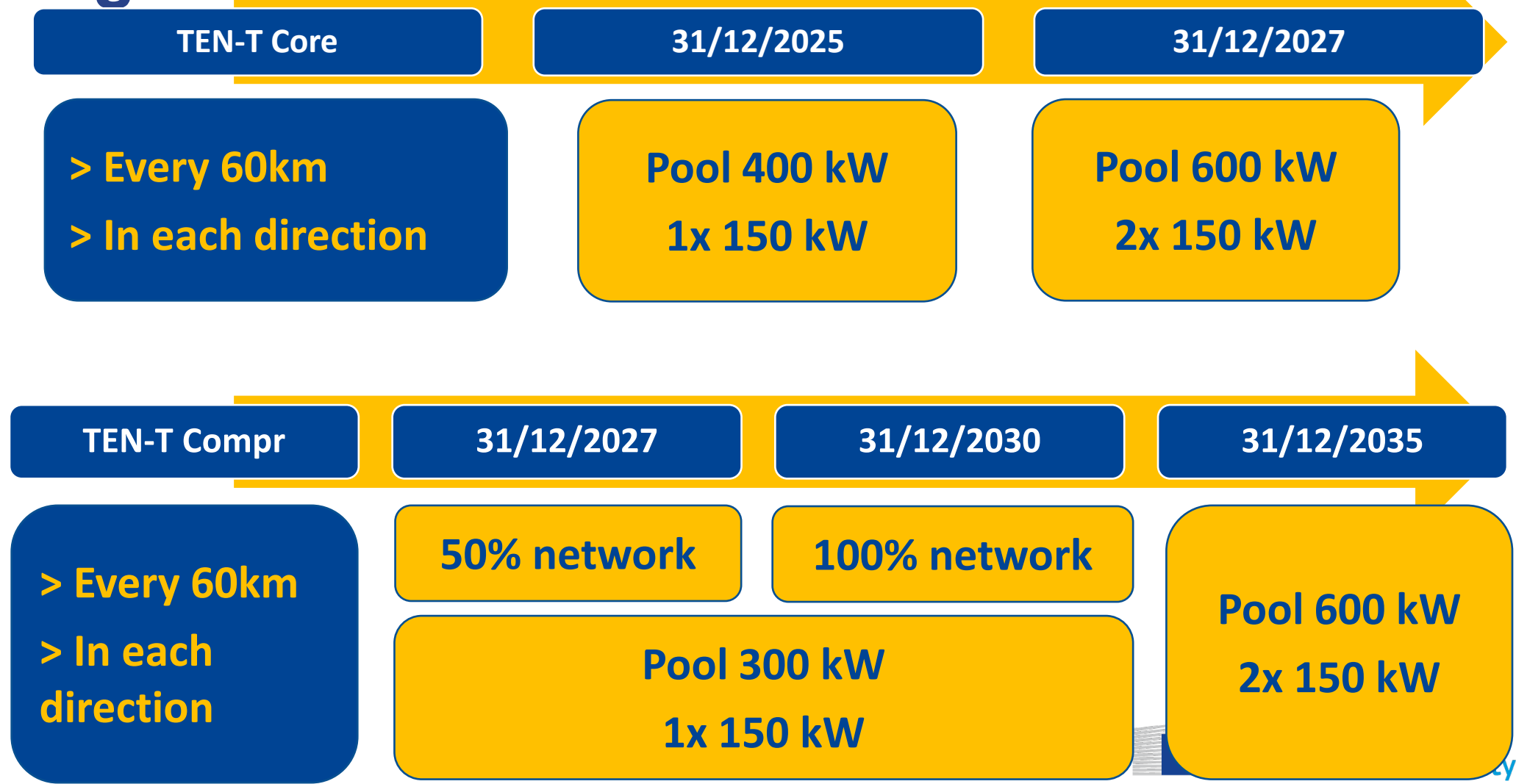
Green Freight Package in Transport (July 2023)

Sept 2023 AFIR fleet-based target for LDV CPs



- Target to be met on **31 December of every year**
- “Sunset clause”: target no longer applies once share of BEV in national LDV fleet reaches 15%

TEN-T distance based targets for LDV CPs



Maritime

- **minimum shore-side electricity supply for seagoing container and passenger ships to be provided in maritime ports**
- **Targets only for larger ports if certain minimum conditions are met**
- **Member States shall ensure that an appropriate number of refuelling points for LNG are put in place at TEN-T core maritime ports referred to in paragraph 2, to enable seagoing ships to circulate throughout the TEN-T core network by 1 January 2025. Member States shall cooperate with neighboring Member States where necessary to ensure adequate coverage of the TEN-T core network.**

Aviation

- **TEN-T core and TEN-T comprehensive airports:**
 - All contact stands used by commercial air transport operations by 2025
 - All remote stands used by commercial air transport operations by 2030
- **Exemptions for airports with less than 10,000 annual flight movements to provide electricity at remote stands**
- **Electricity to come from the electricity grid or from electricity generated on site from renewable sources**

— Not Eligible
— Eligible
 ≤ 60 km target / CCS only /
 ≥150 kW (LDV)

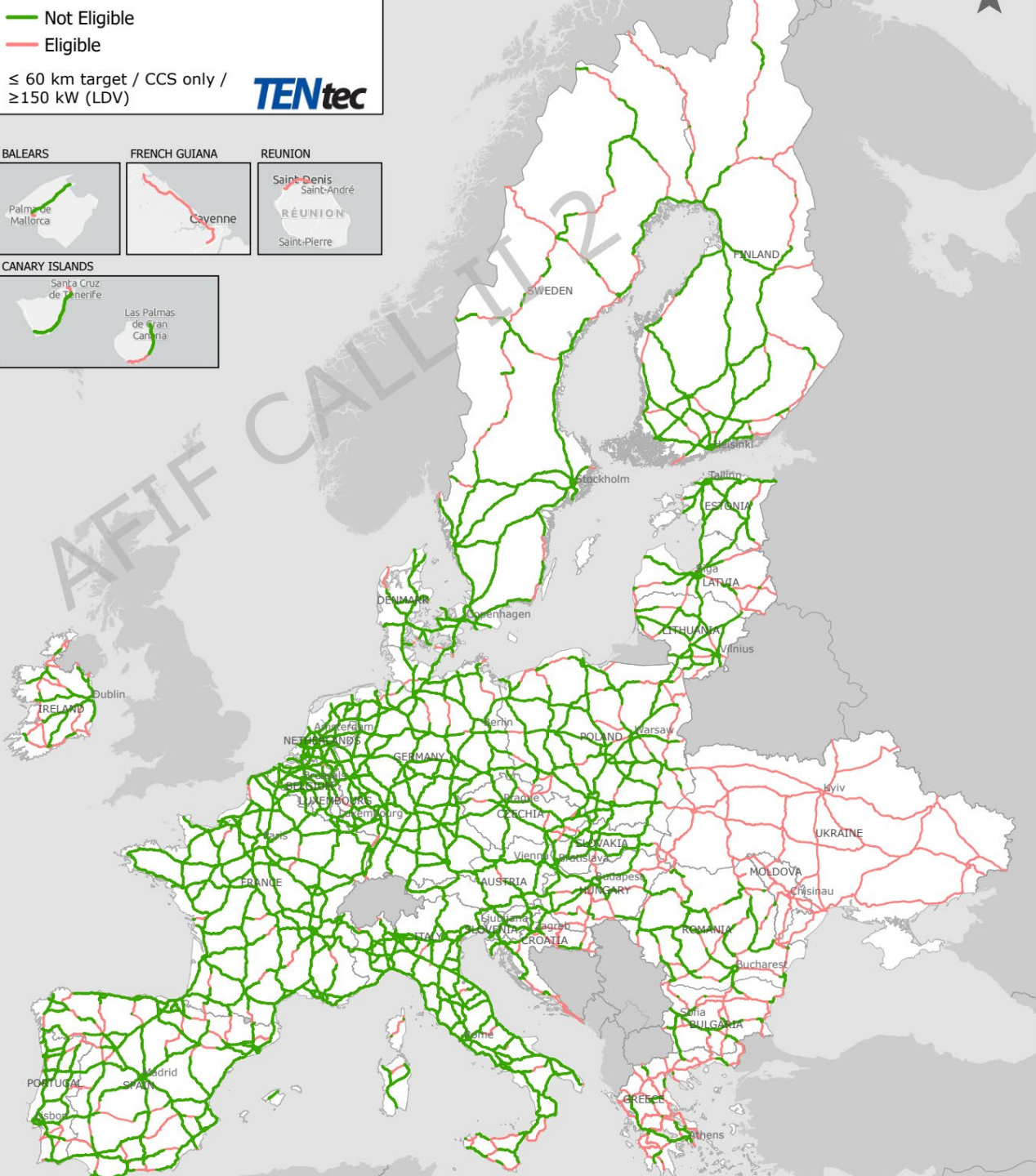


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 Cayenne

REUNION
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 Saint-Pierre

CANARY ISLANDS
 Santa Cruz de Tenerife
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Thank you

