

EU Climate Targets

Political background for CO₂ certification

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2023



EU Climate Targets

European Green Deal - From the past into the future



Dec 2019

"... will reduce net greenhouse gas emissions **to zero in the European Union by 2050** ..."

(binding annual greenhouse gas emission reductions by Member States)

Sept 2020

Tightening of the **CO₂ reduction target 2030 to 55%** with reference to 1990 by the EU Commission

July 2021

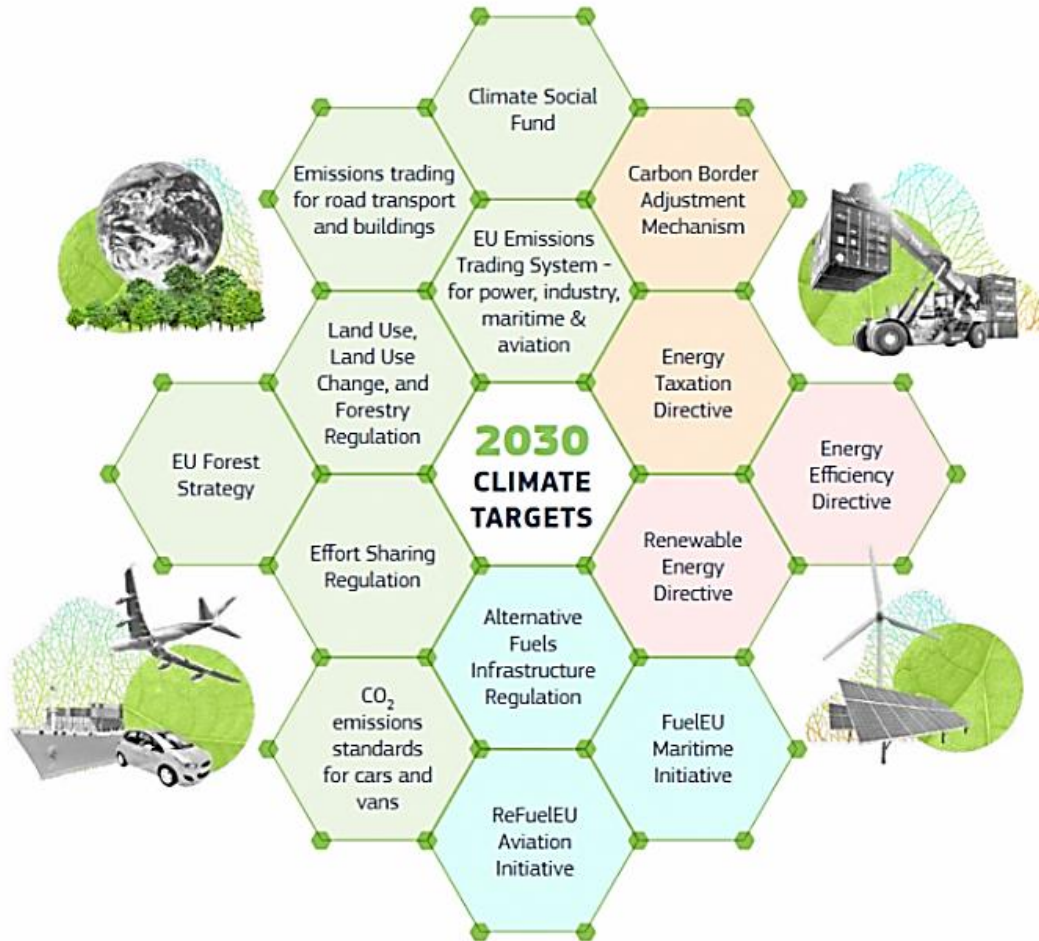
Presentation of the "**Fit for 55**" package for the implementation of climate protection goals

May 2022

REPowerEU – Raising energy efficiency targets and **accelerating the expansion of renewable energies**

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European Green Deal – Fit for 55



Relevant projects related to commercial vehicles

- Revision of Alternative Fuels Infrastructure Regulation (AFIR)
- Revised CO₂ fleet limits for light commercial vehicles
- Emissions Trading System for Transport and Buildings (ETS)
- Revision of the Renewable Energy Directive with higher quotas for renewable fuels (RED)
- Review CO₂ fleet targets for heavy commercial vehicles
- **Inclusion of buses and trailers in CO₂ certification from 2024**

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Overview vehicle classes and CO₂ certification



Already legally defined CO₂ certification and defined fleet targets

Passenger cars (M1)

Light duty vehicles (N1 to 2.61 t / 2.84 t reference mass)

Heavy duty vehicles (N2/N3 \geq 7.4 t as semitrailer tractor or truck with 4x2, 6x2, 6x4, 8x4)

CO₂ certification coming soon but no definition of fleet targets yet

Medium duty vehicle (> 5.0 t to \leq 7.4 t) → *Certification starts from 2024*

Buses (M3 >7.5 t) → *Certification starts from 2024/2025*

Trailers (O3 > 8.0 t and O4 each with "Box body" superstructures) → *Certification starts from 2024*

Still open

Medium duty vehicles (> 2.61 t / 2.84 t to \leq 5.0 t)

Smaller buses M2

Real "Box body" superstructures on motor vehicle chassis for N2, N3

European Modular System (EMS) and trailers which are out of scope from 2024

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Relevant existing regulations to be considered



Regulation **(EU) 2019/631** Setting CO₂ emission performance standards for passenger cars & for light commercial vehicles



amended by Regulation (EU) 2020/22
amended by Regulation (EU) 2020/1590
amended by Regulation (EU) 2020/2173
amended by Regulation (EU) 2021/1961

Regulation **(EU) 2021/392** Monitoring and reporting of data relating to CO₂ emissions from passenger cars and light commercial vehicle

Regulation **(EU) 715/2007** Type approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6)

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Relevant existing regulations to be considered



Regulation **(EU) 2017/2400** Determination of CO₂ emissions and fuel consumption of heavy-duty vehicles

↳ amended by Regulation (EU) 2019/318
amended by Regulation **(EU) 2020/1181**
amended by Regulation **(EU) 2022/1379**



1. Implementing Regulation in accordance with the requirements of (EC) 595/2009
2. Scope for vehicles of category N2 >7.4t and N3 and M3>7.5 t
3. Definition of vehicle groups for the VECTO calculation and assignment to the "driving cycles" (long-haul, regional delivery traffic, urban delivery traffic ...)
4. Description of the input parameters and the procedure for determining these parameters for the simulation tool VECTO for the determination of CO₂ emissions and fuel consumption of new vehicles

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Relevant existing regulations to be considered



Regulation **(EC) 595/2009** Type-approval of heavy-duty vehicles with regard to emissions **and**
Regulation **(EU) 2019/1242** Setting CO₂ emission standards for heavy-duty vehicles

1. Applies initially to vehicles of groups 4, 5, 9 and 10 (trucks and semitrailer tractors with axle configuration 4x2 and more than 16 t as well as trucks and semitrailer tractors with axle configuration 6x2) later also groups 1, 2, and 3 (medium-duty commercial vehicles 7.5-16t) and finally groups 11, 12 and 16 (trucks with more than one driven axle)
2. Reduction targets for CO₂ emissions of 15 percent (2025) and 30 percent (2030) – compared to the reference period (1 July 2019 to 30 June 2020)
3. Penalties for non-compliance of 4250 EUR/g CO₂/tkm (until 2029) and 6800 EUR/g CO₂/tkm (from 2030)
4. Review 2022
5. By 31 December 2021, the Commission shall adopt, by means of implementing acts, the following measures:
 - ...Method for assessing the performance of vehicles of categories O3 and O4 with regard to their impact on CO₂ emissions, fuel consumption of motor vehicles...

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Relevant existing regulations to be considered



Commission Implementing Decision [\(EU\) 2021/781](#) Publication of a list indicating certain CO₂ emissions values per manufacturer as well as average specific CO₂ emissions of all new heavy-duty vehicles registered in the Union and reference CO₂ emissions for the reporting period of the year 2019

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Relevant existing regulations to be considered



Regulation **(EU) 2022/1362** Performance of heavy-duty trailers with regard to their influence on the CO₂ emissions, fuel consumption

1. Implementing Regulation in accordance with the requirements of (EC) 595/2009
2. Scope for vehicles of category O3>8t and O4
3. Definition of vehicle groups for the VECTO calculation and assignment to the "driving cycles" (long-haul, regional delivery traffic, urban delivery traffic ...)
4. Description of the input parameters and the procedure for determining these parameters for the simulation tool VECTO for the determination of CO₂ emissions and fuel consumption of new vehicles



CLCCR
International Association of the
Body and Trailer Building Industry

Founded in 1961, CLCCR is the International Association of the Body and trailer building industry. CLCCR advocates the various interests of trailer manufacturers, body builders and non-captive OEM Bus & Coach builders.

- It functions as an international forum, through which its members discuss issues of common interest and develop mutual positions,
- It offers a liaison between its members and the different international and European organizations,
- It represents approved CLCCR positions to different international and European organizations,
- It provides information services to its members and interested parties.