



Proposal for a Regulation on the accounting of GHG emissions of transport services – CountEmissions EU

SUSTAINABLE & SMART
MOBILITY STRATEGY

GHG Emissions Accounting and Reporting for
Transport - Corporate Partnership Board of the ITF
Niccolò PIERI - DG MOVE D.1
26 April 2024

CountEmissions EU: basic facts

- **Full title:** Proposal for a Regulation of the European Parliament and of the Council on the accounting of greenhouse gas emissions of transport services
- **Lead service:** MOVE – Maritime Transport and Logistics Unit (D1)
- **Type of initiative:** Legislative instrument – regulation
- **Impact assessment:** 2022 – 2023; supported by an external study by ECORYS, CE DELFT, TNO, prof. Alan McKinnon
- **Adoption by COM:** 11 July 2023
- **CL General Approach:** 4 December 2023
- **EP vote:** Plenary of 4 April 2024
- **Purpose:** To provide a harmonised framework for calculating GHG emissions of transport operations in the freight and passenger transport sector

Part of the Greening Freight package

- Focus on **improving sustainability and operational efficiency** of European freight transport – both at the **modal** and the **system** level
- Not a stand-alone package: **builds on initiatives already put forward** (Fit for 55, Efficient and Green Mobility Package, etc.).

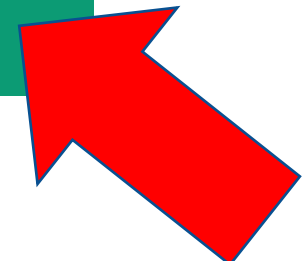
Chapeau Communication

Rail Capacity Regulation
Adopted by COM

Weights and Dimensions Directive
Adopted by COM

CountEmissions EU
Adopted by COM

Revision of the Combined Transport Directive
Adopted by COM



Policy context

2011 White Paper on Transport

- Initiative No 29: harmonising carbon footprint practices and methodologies

2020 Sustainable and Smart Mobility Strategy

- Flagship 5, Action 33: EU framework for harmonised measurement of transport and logistics emissions

2021 Letter of Intent to the European Parliament

- Legislative proposal on an EU framework for harmonised measurement of transport and logistics emissions scheduled under the European Green Deal

Commission Work Programme 2022

- EU framework for harmonised measurement of transport and logistics emissions

Building on the legacy

2012 CEN EN16258: the methodology for calculation and declaration of energy consumption and GHG emissions of transport services

2011 - 2014 COFRET FP-7 EU project: inventory, review and gap analysis of existing carbon footprint methodologies

2013 - 2014 EC study: state of the art in the field of carbon accounting and preliminary set of possible policy options

2014 - GLEC: industry platform for a global methodology for calculating freight emissions in the multi-modal supply chains

2016 - 2019 LEARN H2020 EU project: technical aspects and policy recommendations for the GHG accounting

(EN) ISO 14083: 2023 Quantification and reporting of greenhouse gas emissions arising from operations of transport chains

Context

To provide a **common framework** for calculating GHG emissions of transport operations in the freight and passenger transport sector



Multimodal door-to-door transport chain

Individual transport and hub operations

Freight and passenger

No mandatory reporting

Objectives

General objective:

- Incentivise **behavioural change** among businesses and customers to reduce GHG emissions from transport services through the uptake and use of comparable and reliable GHG emissions data;

Specific objectives:

- Ensure the **comparability of results** from GHG emissions accounting of transport services;
- Facilitate the **uptake of GHG emissions accounting** of transport services in business practice.

What we propose

Policy area	Specific provisions
Applicability	Article 2: Binding opt-in application of CountEmissions EU in the transport sector
Methodology	Article 4: ISO 14083 is set as common reference methodology at EU level
Input data	Articles 5 - 8: The use of primary data is recognized; centralised databases for default values for GHG emission intensity and GHG energy emission factors are established at EU level. Quality assurance of external databases of GHG emissions intensity, operated by third parties is provided at EU level (by European Environment Agency). Modelled data is used in conformity with the reference methodology;
Harmonised emissions output data and transparency	Articles 9 and 10: Minimum requirements for harmonised GHG output data metrics are provided at EU level, together with common rules on communication and transparency;
Sectorial implementation support	Horizontal guidelines for the harmonised implementation of CountEmissions EU in various sectors and segments of the transport market are provided at EU level;
Complementary measures	Article 11: Emissions calculation tools are provided by the market but they are certified at EU level;
Conformity	Articles 12 and 13: Mandatory process and data verification for entities above a certain size falling under the scope of CountEmissions EU is established at EU level

Scope and application: Article 2

- **Binding opt-in:** applies to any entity providing or organising freight and passenger services in the Union that **calculates greenhouse gas emissions of a transport service** starting or ending on the Union territory and **discloses disaggregated information** on those emissions to any third party **for commercial or regulatory purposes.**

Reference methodology: Article 4

- Methodology provided by **EN ISO 14083:2023** standard;
- **Assessment of the needs for an adjustment** of the methodology;
- **Compliance check** to assess **amendments** to the methodology;
- Possible **DA to exclude** certain elements of the standard;
- Possible **DA to formally request CEN** for revising the standard;
- Possible **IA to clarify the reference methodology**.

Input data: Articles 5 - 8

- Priority for using **primary data**;
- **Default values for GHG emission intensity** are derived from:
 - a **core EU database** of default values for GHG emission intensity,
 - **databases and datasets** of default values for GHG emission intensity **operated by third parties**, based on the quality check (defined in the IA);
- **Default GHG emission factors** for the transport energy carriers are derived from the **central EU database** of default GHG emission factors;
- **Access** to the EU databases is **open and free of charge**;
- **Modelled data** rely on a model established in accordance with EN ISO 14083;
- Role of the **European Environmental Agency**.

Output data: Article 9

- **Minimum requirements** for output data
- **Output data metrics:**
 - total mass of CO₂e per transport service, and,
 - mass CO₂e per tonne kilometre, or equivalent units, for freight transport; or
 - mass CO₂e per tonne or equivalent units, for freight hub throughput; or
 - mass CO₂e per passenger kilometre, or equivalent units, for passenger transport; or
 - mass CO₂e per passenger or equivalent units, for passenger hub throughput;
- **Possible DA to complement the list of metrics** for output data.

Communication and transparency: Article 10

- **Disclosure** of output data;
- Requirements for **data intermediaries**;
- Communication of **primary data**;
- **Evidence** substantiating how the output data were established.

Calculation tools: Article 11

- **External** calculation tools;
- **Certification** by an **accredited conformity assessment body**;
- **Certificate of conformity**: valid 2 years;
- **IA to lay down rules on the certification** of calculation tools.

Verification: Article 12 and 13

- **Conformity** with CountEmissions EU;
- Verification mandatory for large entities, **SMEs exempted**;
- Verification by an **accredited conformity assessment body**;
- **Proof of compliance**;
- **IA to lay down rules on the verification** of the output data.

Relevant documents

- [Proposal for a Regulation of the European Parliament and of the Council on the accounting of greenhouse gas emissions of transport services](#)
- [Impact Assessment](#)
- **Support Study and Annexes:**
 - <https://data.europa.eu/doi/10.2832/553011>
 - <https://data.europa.eu/doi/10.2832/255376>
 - <https://data.europa.eu/doi/10.2832/764311>

**SUSTAINABLE & SMART
MOBILITY STRATEGY**



THANK YOU!



European
Commission | **Mobility and Transport**

#MobilityStrategy