
Poštne storitve - Okoljski odtis pri dostavi paketov - Metode za izračun in navedbo podatkov o emisijah toplogrednih plinov in onesnaževal zraka pri storitvah logistične dostave paketov

Postal services - Parcel delivery environmental footprint - Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services

Postalische Dienstleistungen - Umweltfußabdruck der Paketzustellung (PDEF) - Methodik für die Berechnung und Deklaration von Treibhausgas- und Luftschadstoffemissionen von Paketzustelldiensten

Services postaux - Empreinte environnementale de la livraison de colis - Méthodologie pour le calcul et la déclaration des émissions de GES et polluants atmosphériques des services logistiques de livraison de colis

<https://standards.iteh.ai/>
<https://standards.iteh.ai/catalog/standards/sist/06415ebc-daf8-454c-97fa-a9c17e096c83/osist-pren-17837-2026>

Ta slovenski standard je istoveten z: prEN 17837

ICS:

03.240	Poštne storitve	Postal services
13.020.60	Življenjski ciklusi izdelkov	Product life-cycles

oSIST prEN 17837:2026

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 17837

November 2025

ICS 03.240; 13.020.60

Will supersede EN 17837:2023

English Version

**Postal services - Parcel delivery environmental footprint -
Methodology for calculation and declaration of GHG
emissions and air pollutants of parcel logistics delivery
services**

Services postaux - Empreinte environnementale de la
livraison de colis - Méthodologie pour le calcul et la
déclaration des émissions de GES et polluants
atmosphériques des services logistiques de livraison
de colis

Postalische Dienstleistungen - Umweltfußabdruck der
Paketzustellung (PDEF) - Methodik für die Berechnung
und Deklaration von Treibhausgas- und
Luftschadstoffemissionen von Paketzustelldiensten

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 331.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword.....	4
Introduction	5
1 Scope.....	8
2 Normative references.....	8
3 Terms and definitions	8
3.1 General terms.....	8
3.2 Specific terms	16
4 Symbols and units.....	18
5 General principles.....	19
6 Quantification boundaries.....	20
6.1 Definition of parcel delivery elements.....	20
6.1.1 General.....	20
6.1.2 Modes of transport	21
6.1.3 Location operations	21
6.2 Principles of quantification.....	22
6.2.1 General.....	22
6.2.2 Processes included.....	22
6.2.3 Processes not included.....	24
6.2.4 Carbon offsetting and emissions trading.....	25
6.3 Principles of allocation	25
6.3.1 General.....	25
6.3.2 Allocation parameter.....	25
6.3.3 Allocation	25
7 Activities regarding the quantification and reporting of environmental impacts from parcel delivery service.....	26
7.1 Steps in the quantification of emissions within a parcel transport chain.....	26
7.2 Identification of the different elements within a parcel transport chain.....	27
7.3 Sub steps for the calculation of emissions	29
7.3.1 Transport operation	29
7.3.2 Location operation	29
7.4 Operational data inputs used for the calculation.....	29
7.4.1 Transport operation	29
7.4.2 Location operation	31
7.4.3 Use of default values	32
8 Quantification of emissions.....	32
8.1 At the transport operation category level.....	32
8.1.1 General.....	32
8.1.2 Sub step 3.1-T: Establishing a transport operation category (TOC).....	32
8.1.3 Sub step 3.2-T: Quantification of the emission activity data for the TOC.....	33
8.1.4 Sub step 3.3-T: Calculation of emissions for the TOC.....	33
8.2 At the Hub Operation Category level.....	35
8.2.1 General.....	35
8.2.2 Sub step 3.1-L: Establishing a hub operation category (HOC)	35

8.2.3	Sub step 3.2-L: Quantification of activity data for the HOC.....	36
8.2.4	Sub step 3.3-L: Calculation of emissions for the HOC.....	36
9	Allocation of emissions to parcel level.....	37
9.1	Transport operation.....	37
9.1.1	General.....	37
9.1.2	Allocation parameters and units.....	38
9.1.3	Allocation by transport operator.....	41
9.1.4	Allocation by the transport service organizer	41
9.2	Location operation	42
9.2.1	General.....	42
9.2.2	Allocation parameter.....	42
9.2.3	Allocation by transport operator.....	43
9.2.4	Allocation by parcel transport service organizer	43
10	Approach to summing the results for each parcel transport chain element.....	44
11	Reporting.....	44
	Annex A (informative) GHG emission factors	45
	Annex B (normative) Allocation methods for combined parcel and passengers	49
	Annex C (informative) Inclusion of empty trips into a TOC.....	51
	Annex D (informative) Template for declaration of categories of values used.....	53
	Annex E (informative) Example of available sources of default values	55
	Annex F (informative) Example of calculation	57
	Bibliography.....	78

Document Preview

[oSIST prEN 17837:2026](https://standards.iteh.ai/catalog/standards/sist/06415ebc-daf8-454c-97fa-a9c17e096c83/osist-pren-17837-2026)

<https://standards.iteh.ai/catalog/standards/sist/06415ebc-daf8-454c-97fa-a9c17e096c83/osist-pren-17837-2026>

prEN 17837:2025 (E)**European foreword**

This document (prEN 17837:2025) has been prepared by Technical Committee CEN/TC 331 “Postal services”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 17837:2023.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN 17837:2026](https://standards.iteh.ai/catalog/standards/sist/06415ebc-daf8-454c-97fa-a9c17e096c83/osist-pren-17837-2026)

<https://standards.iteh.ai/catalog/standards/sist/06415ebc-daf8-454c-97fa-a9c17e096c83/osist-pren-17837-2026>

Introduction

This document provides principles and rules for the quantification, allocation and reporting of environmental impacts from parcel logistics delivery services.

Background

As the consumer product and retail sectors continuously grow and e-commerce increases, logistics services are becoming ever more critical. Traditional logistics value chains and related business models are also disrupted by trends in digitalisation and new fulfilment technologies. General considerations to sustainability are growing in importance due to climate change, changing global supply chains and increased stakeholder consciousness. Measuring the environmental impacts - along the entire value chain from manufacturing to end of life treatment of retail goods - and implementing meaningful mitigation measures is key in combating climate change.

To understand the environmental impacts of the e-commerce and parcel logistics and delivery sectors, all activities in the parcel logistics and delivery service value chain should be looked at. To choose the most effective mitigation strategies and to fully disclose the environmental impacts of parcel logistics and delivery services, solid monitoring methodologies, data sets and standard accounting and reporting approaches are essential.

Purpose

This parcel delivery environmental footprint (PDEF) standard aims to describe a consistent and harmonized methodology for environmental footprinting across the supply chain of parcel logistics and delivery services. In the first instance, it will focus on the accounting of greenhouse gas (GHG) emissions. At present there are a variety of standards and methodologies for emissions accounting publicly available, but these do not focus on parcel specific accounting.

The PDEF seeks to account for the emissions of the full logistics service supply chain for a delivery including all consequential transportation and operational activities. The standard allocates all emissions towards each specific parcel delivered. This is achieved through the description of a standard set of data points to be measured and a standard calculation and parcel specific allocation methodology.

<https://www.iso.org/standard/75426.html> While the PDEF is consistent with the ISO 14083:2023¹, it provides an extended scope with its nuanced parcel specific approach, covering the entire parcel delivery value chain from collection to final delivery. Further, the PDEF also covers, as an option, other air pollutants as well as operational and energy provision GHG emissions other than fuel. This reflects the current need to provide more transparency about environmental impacts along complex supply chains.

Use

The PDEF is designed to be widely applicable by parcel transport service organizers and accessible to a diverse user group. Within this sector, it is recognized that parcel delivery service operations vary hugely, from multi-national organizations operating multiple transport modes through to a small local operators. Consequently, the standard balances the desire for absolute precision and scientific rigor with a degree of pragmatism to achieve ease of use. Nonetheless, the requirements set out and guidance given are aligned with existing standards² and based on sound scientific methods.

Use of this document will ensure that calculated emissions are fully accounted and allocated to a parcel. It enables disclosures of parcel specific emissions to have greater consistency and comparability as a foundation for more transparency enabling more sustainable parcel delivery services in the future.

¹ ISO 14083:2023 Greenhouse gases — Quantification and reporting of greenhouse gas emissions arising from transport chain operations

² For example: EN 16258:2012, ISO 14064