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| STN | E-transportéry Časť 3-2: Skúšobné metódy výkonnosti mobility nákladných e-transportérov | STN EN IEC 63281-3-2 34 1590 |
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E-Transporters - Part 3-2: Performance test methods for mobility of cargo e-Transporters

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/24

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EN IEC 63281-3-2

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**E-Transporters - Part 3-2: Performance test methods for mobility
of cargo e-Transporters
(IEC 63281-3-2:2024)**

e-Transporteurs - Partie 3-2: Méthodes d'essai de
performances pour la mobilité des e-Transporteurs de
marchandises
(IEC 63281-3-2:2024)

Elektrokleinstfahrzeuge - Teil 3-2: Leistungsprüfverfahren
für die Beweglichkeit von Lasten-Elektrokleinstfahrzeugen
(IEC 63281-3-2:2024)

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EN IEC 63281-3-2:2024 (E)**European foreword**

The text of document 125/95/FDIS, future edition 1 of IEC 63281-3-2, prepared by IEC/TC 125 "e-Transporters" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63281-3-2:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2025-03-12
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| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
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| IEC 63281-1 | 2023 | E-Transporters - Part 1: Terminology and classification | EN IEC 63281-1 | 2023 |



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**E-Transporters –
Part 3-2: Performance test methods for mobility of cargo e-Transporters**

**e-Transporteurs –
Partie 3-2: Méthodes d'essai de performances pour la mobilité des e-
Transporteurs de marchandises**



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**E-Transporters –
Part 3-2: Performance test methods for mobility of cargo e-Transporters**

**e-Transporteurs –
Partie 3-2: Méthodes d’essai de performances pour la mobilité des e-
Transporteurs de marchandises**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

E-TRANSPORTERS –**Part 3-2: Performance test methods for mobility of cargo e-Transporters**

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The text of this International Standard is based on the following documents:

| Draft | Report on voting |
|-------------|------------------|
| 125/95/FDIS | 125/100/RVD |

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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INTRODUCTION

At the time of writing of this document, the global market scale of cargo e-Transporters is about US \$ 30 billion, with a wide range of application scenarios, which can meet the needs for short-distance distribution, low-carbon and environmental protection.

However, there is currently no international standard for this kind of product. The mobility of cargo e-Transporters is the key index of their performance, including their maximum speed, maximum climbing angle, maximum climbing speed, turning characteristics, gap detection, narrowest passing width, specific object detection, and typical object detecting distance.

This document specifies the performance criteria and related test methods for cargo e-Transporters.

E-TRANSPORTERS –

Part 3-2: Performance test methods for mobility of cargo e-Transporters

1 Scope

This document is applicable to electrically powered transport devices for use on public roads or in public spaces and which are primarily designed for transporting cargo ("cargo e-Transporters"). The typical application environment of cargo e-Transporters includes the following: for the purposes of hotels, restaurants, office buildings, hospitals, industrial/recreational parks, public roads, etc.

This document specifies performance criteria and evaluation methods for the mobility of cargo e-Transporters.

This document does not include safety and performance requirements.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 63281-1:2023, *E-Transporters – Part 1: Terminology and classification*

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