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**Javni prevoz - Referenčni podatkovni model - 3. del: Časovne informacije in  
razporejanje vozil**

Public transport - Reference data model - Part 3: Timing information and vehicle  
scheduling

Öffentlicher Verkehr - Datenreferenzmodell - Teil 3: Taktinformationen und  
Fahrzeugdisposition

Transports publics - Modèle de données de référence - Partie 3 : Informations horaires  
et horaires des véhicules

**Ta slovenski standard je istoveten z: prEN 12896-3**

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**ICS:**

35.240.60	Uporabniške rešitve IT v prometu	IT applications in transport
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**Public transport - Reference data model - Part 3: Timing  
information and vehicle scheduling**

Transports publics - Modèle de données de référence -  
Partie 3 : Informations horaires et horaires des  
véhicules

Öffentlicher Verkehr - Datenreferenzmodell - Teil 3:  
Taktinformationen und Fahrzeugdisposition

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 278.

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.

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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.

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

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

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## European foreword

This document (prEN 12896-3:2025) has been prepared by Technical Committee CEN/TC 278 “Intelligent transport systems”, the secretariat of which is held by NEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 12896-3:2016.

Annex C provides details of the significant technical changes between this document and EN 12896-3:2016.

This document is part of the European standard series EN 12896, known as “Transmodel”. This is a series of documents that comprises the following parts:

- EN 12896-1, Public transport - Reference data model - Part 1: Common concepts
- EN 12896-2, Public transport - Reference data model - Part 2: Public transport network
- EN 12896-3, Public transport - Reference data model - Part 3: Timing information and vehicle scheduling
- EN 12896-4, Public transport - Reference data model - Part 4: Operations monitoring and control
- EN 12896-5, Public transport - Reference data model - Part 5: Fare management
- EN 12896-6, Public transport - Reference data model - Part 6: Passenger information
- EN 12896-7, Public transport - Reference data model - Part 7: Driver management
- EN 12896-8, Public transport - Reference data model - Part 8: Management information and statistics
- EN 12896-10, Public transport - Reference data model - Part 10: Alternative Modes

Together these documents create Transmodel version 6.2 and thus replace Transmodel V6.0.

In addition to the nine normative parts of this series, a Technical Report (Public Transport – Reference Data Model – Informative Documentation) was published in 2016 under the reference CEN/TR 12896-9. It provides additional information to help those implementing projects involving the use of Transmodel. It is intended that this Technical Report will be extended and republished as soon as all the normative parts are revised.

The split into several documents is intended to ease the task of users interested in particular functional domains. It corresponds to the modularisation of Transmodel into functionally related parts, each made up of distinct UML packages and subpackages that describe a particular aspect of public transport. The NeTeX UML model follows the same modularisation, allowing a direct mapping from the conceptual model to the implementation.

For information on the conventions, methodology and notations for conceptual modelling, for a clear overview to help understand the core principles, structure and purpose of Transmodel, and for information on the Functional domains and Modes of operation, refer to EN 12896-1.

## 1 Scope

The present document is composed of the following data packages:

- journey and Interchange;
- vehicle Journey Assignment;
- journey Times;
- block and Vehicle Service;
- dated Journey;
- explicit Frame.

This document itself is composed of the following parts:

- main document representing the data model for the concepts shared by the different domains covered by Transmodel (normative);
- Annex A containing the data dictionary and attribute tables, i.e. the list of all the concepts presented in the main document together with their definitions (normative);
- Annex B presenting the model evolution (informative);
- Annex C, providing details of the significant technical changes between this document and EN 12896-1:2015 (informative)

## 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.

EN 12896-1, *Public transport - Reference data model - Part 1: Common concepts*

## 3 Terms, definitions and abbreviations

### 3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12896-1 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

#### 3.1.1

##### headway

interval between vehicles servicing a route and hence between the arrival of services at a stop

#### 3.1.2

##### relief

person taking the place of another person as responsible for a certain task (such as driving a bus)