



BSI Standards Publication

Public transport – Reference data model

Part 9: Informative documentation

National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

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European foreword

This document (CEN/TR 12896-9:2019) has been prepared by Technical Committee CEN/TC 278 “Intelligent transport systems”, the secretariat of which is held by NEN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TR 12896-9:2016.

The Transmodel v6 series is composed of the following documents:

- Public transport - reference data model - Part 1: Common Concepts;
- Public transport - reference data model - Part 2: Public Transport Network;
- Public transport - reference data model - Part 3: Timing Information and Vehicle Scheduling;
- Public transport - reference data model - Part 4: Operations Monitoring and Control;
- Public transport - reference data model - Part 5: Fare Management;
- Public transport - reference data model - Part 6: Passenger Information;
- Public transport - reference data model - Part 7: Driver Management; and
- Public transport - reference data model - Part 8: Management Information and Statistics.

Together these create version 6 of the European Standard EN 12896, known as “Transmodel”, and thus replace EN 12896:2006, known as “Transmodel v5.1”.

This informative document provides supplementary information to that contained in the formal European Standard to help those implementing the Standard.

Introduction

This document documents further information related to parts 1 to 8 of version 6 of the "Public Transport – Reference Data Model" (Transmodel v6.0) European Standard, EN 12896. This information is particularly useful for those who need additional guidance as regards Transmodel structure and/or intend to implement sub-models. The various sections of the document provide:

- A Complete Data Dictionary (merging and extending the information contained in each separate Part of the Standard that has been published to date) [section 2];
- An overview of the whole of Transmodel to provide an understanding of how the model is structured [section 3]
- An explanation of how each component model links with other components [section 4]
- An Annex providing a table which shows the evolution of the terms used in Transmodel v6.0 from the previous Transmodel v5.1 and IFOPT European Standards [Annex A]

1 Scope

The standards provides informative and didactical material to users.

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: 2016, Public transport - Reference data model - Part 1: Common concepts

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12896-1: 2016 apply.

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

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

4 Complete Data Dictionary

4.1 Introduction

The sections which follow show the complete data dictionary for Transmodel v6.0. Each term is defined only once and the relevant Transmodel part and package are indicated immediately after each term and before the definition.

The Data Types shown in the tables in this section are not mandatory.

4.2 Data Dictionary

4.2.1 Transmodel v6.0

4.2.1.1 ABSENCE

(Part 7 - Driver Management (DM)::PD Personnel Disposition MODEL::DM Driver Assignment MODEL::ABSENCE)

An ABSENCE represents an actual absence of an EMPLOYEE from work on a particular OPERATING DAY for a specified time.