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Intelligent transport systems — Public transport user information —

Part 3: Use cases for journey planning systems and their interoperation

Systèmes intelligents de transport —

Partie 3: Cas utiles pour les systèmes de planification de voyage et leur interopération

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 204, *Intelligence Transport Systems*.

ISO 17185 consists of the following parts, under the general title *Public transport user information*:

— *Part 1: Standards framework for public information systems*

— *Part 3: Use cases for journey planning systems and their inter-operation* [Technical Report]

The following parts are under preparation:

— *Part 2: Data and interface standards catalogue and cross reference* [Technical Report]

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Introduction

ISO/TC 204, *Intelligent Transport Systems*, has been discussing enhancement of surface public transport information provision to surface public transport users including international travellers around the world by using ITS technology.

The responsibility of ISO/TC 204 is make surface public transport more convenient by realizing stress-free surface public transport user information provision, and hence, the technical committee has been working to develop one set of international standard and several technical reports which are defining basic framework and practical uses cases that will fit above current national and regional standards as a reference. The accepted national and regional standards (at this point in time, such as TCIP and TRANSMODEL) will be allowed to define the specific information interfaces such as data format, stop point numbering system, etc. that are necessary to implementation of surface public transport information systems.

The set of International Standard and Technical Reports will be beneficial for all ISO/CEN member countries as well as non ISO/CEN member countries. The International Standard/Technical Reports will be a valuable reference to detail basic framework as well as highlight and encourage use of currently available national and regional standards such as TRANSMODEL, TCIP, and possibly others. The intention is that, by deploying these national and regional standards by other countries or regions, duplication of cost and time is avoidable. For those countries that do not have surface public transport information standards, this approach allows more rapid development and deployment of public transport systems that enhance usability and convenience.

ISO 17185 is specifically set at a higher level, or reference and not aiming harmonize currently available national and regional standards to allow use of these robust standards which are set at various levels (for example implementation specifications versus application level standards) but which also experience widespread acceptance in their regional standards. This International Standard intends to establish a basic solid foundation for surface public transport user information provision framework and is specifically limited to this scope to avoid conflict with those currently available regional standards.

ISO 17185 is intended to be fully consistent with those currently available national and regional standards which may be related to international public transport. In fact, in the case of international surface public transport, public transport operators already have transport-related information systems. However, public transport users, including international travellers, are often not provided with static and real time information including bus/train/tram locations in an appropriate and timely manner. ISO 17185, and its scope and approach, will solve this issue by setting basic framework for public transport information provision while embracing existing national and regional standards.

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Intelligent transport systems — Public transport user information —

Part 3:
Use cases for journey planning systems and their interoperation

1 Scope

The purpose of this part of ISO 17185 is to define high level general requirements of journey planning systems by standardizing use cases.

This part of ISO 17185 defines basic requirements for implementing the journey planning system, from the viewpoint that the public transport users should be provided with convenient tool to make his or her journey more efficient ones. In order to realize the desirable journey planning system, public transport information has to be efficiently processed and provided to public transport users in an appropriate way by using currently available regional standards.

This part of ISO 17185 does not standardize specific information interfaces such as data format or a stop point numbering system and so on but currently available regional standards established by regional and national groups are suggested to be applied.

ISO 17185 is composed of the following parts:

— Part 1: Standards framework for public information systems: (International Standard)

— Part 2: Data and Interface standards catalogue and cross reference: (Technical Report)

— Part 3: Use cases for journey planning systems and their inter-operation: (Technical Report)

2 Normative references

There are no normative references.

3 Terms and definitions

For the purpose of this document, following terms and definitions apply.

3.1
administrator
person charged with the installation, configuration, and management of a computer system, network, storage subsystem, database, or application

[SOURCE: ISO/IEC 24775:2011, 2.1.4, modified]

3.2
data
reinterpretable representation of information in a formalized manner suitable for communication, interpretation, or processing

Note 1 to entry: Data can be processed by humans or by automatic means. [ISO/IEC 2382-1:1998, (01.01.02)]

[SOURCE: ISO/IEC 15944, modified]

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