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Intelligent transport systems — Public transport user information —

Part 1: Standards framework for public information systems

Systèmes intelligents de transport — Informations destinées aux utilisateurs des transports publics —

Partie 1: Cadre pour les normes relatives aux systèmes d'information publique



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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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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 *Intelligent transport systems — Public transport user information*:

- *Part 1: Standards framework for public information systems*
- *Part 2: Data and interface standards catalogue and cross reference*
- *Part 3: Use cases for journey planning systems and their interoperation*

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Introduction

TC204 Intelligent Transport Systems, WG8, Public Transport and Emergency Services, have been discussing enhancement of surface public transport information provision to surface public transport users including international travellers around the world by using ITS technology.

WG8, Public Transport and Emergency Services, have been trying to harmonize current surface public transport information provision interface national and regional standards, mainly, the TRANSMODEL standard developed by CEN and the TCIP standard developed by the American Public Transportation Association in the USA. However, because these surface public transport information standards are widely accepted and used for system implementation in their regions, there is no perceived need or demand to harmonize them.

Because WG8's responsibility is to make surface public transport more convenient by realizing stress-free surface public transport user information provision, WG8 has reached the conclusion that it has to establish one International Standard (but not a technical report which has no binding rules) which is defining basic framework that will fit above current national and regional standards. The accepted national and regional standards (at this point in time, 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 the implementation of surface public transport information systems.

This part of ISO 17185 will be beneficial for all ISO/CEN member countries, as well as non-ISO/CEN member countries, because this part of ISO 17185 will be a valuable "text book" 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.

This part of ISO 17185 is specifically set at a higher level and not aiming to harmonize currently available national and regional standards to allow the 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 part of ISO 17185 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.

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