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BSI Standards Publication

Intelligent transport systems — Use of nomadic and portable devices to support ITS service and multimedia provision in vehicles

Part 2: Definition and use cases for mobile service convergence

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National foreword

This Published Document is the UK implementation of ISO/TR 10992-2:2017.

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

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TECHNICAL REPORT

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Intelligent transport systems — Use of nomadic and portable devices to support ITS service and multimedia provision in vehicles —

Part 2: Definition and use cases for mobile service convergence

Systèmes intelligents de transport — Utilisation des dispositifs nomades et portables pour la prise en charge des services ITS et la mise à disposition d'applications multimédias dans les véhicules —

Partie 2: Définition et cas d'utilisation pour la convergence des services mobiles

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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 voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems.*

A list of all parts in the ISO/TR 10992 series can be found on the ISO website.

Introduction

ISO/TC 204 is designed to facilitate the development, promotion and standardization of the use of nomadic and portable devices to support ITS service provision and multimedia use such as passenger information, automotive information, driver advisory and warning systems, and entertainment system interfaces to ITS service providers and motor vehicle communication networks. The ISO 10992 series fosters the introduction of multimedia and telematics nomadic devices in the public transport and automotive world.

This project provides the convergence software framework to identify mobile cloud connectivity services while driving and related standards required to develop a nomadic device application with intelligent transport systems (ITS) technologies in vehicles.

TECHNICAL REPORT **ISO/TR 10992-2:2017(E)**

Intelligent transport systems — Use of nomadic and portable devices to support ITS service and multimedia provision in vehicles —

Part 2:
Definition and use cases for mobile service convergence

1 Scope

This document specifies the introduction of multimedia and telematics nomadic devices in the public transport and automotive world to support intelligent transport systems (ITS) service provisions and multimedia use such as passenger information, automotive information, driver advisory and warning systems, and entertainment system interfaces to ITS service providers and motor vehicle communication networks.

This document focuses on the convergence software framework to identify mobile cloud connectivity services while driving utilizing nomadic device application for intelligent transport systems (ITS) technologies in vehicles.

The use cases described in this document include:

— IVI interaction configuration

This competence is provided by automatic application suppliers.

— Biosignal measurement configuration

This competence is provided by IT application companies.

— Cloud service configuration

This competence is provided by third-party providers such as parking service providers and insurance service providers.

This document includes the identification of existing International Standards for ITS in ISO/TC 204 and existing vehicle communication network access standards.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

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

— IEC Electropedia: available at https://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp