TECHNICAL REPORT

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Intelligent transport systems — Cooperative ITS —

Part 2: Guidelines for standards documents

Systèmes intelligents de transport — Coopérative ITS —

Partie 2: Lignes directrices pour les documents normatifs

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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).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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, *Intelligent transport systems*.

ISO/TR 17465 consists of the following parts, under the general title *Intelligent transport systems — Cooperative ITS*:

— *Part 1: Terms and definitions*

— *Part 2: Guidelines for standards documents*

— *Part 3: Release procedures for standards documents*

This includes an Annex that provides examples of the way that the guidance it contains should be applied to multi-part standards.

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Introduction

As Cooperative-ITS involves many services provided using a large number of applications all communicating with each other and sharing data, it is very likely that some standards will become very large. This will be particularly true where a particular standard documents the requirements for a particular service or set of applications. It is thus likely that in some instances, multi-part standards will be required so that finding particular aspects of a standard can be made easier.

In order for users to quickly find the standard's information that they require in multi-part standards, this part of ISO/TR 17465 provides guidance on the common structure to be used for the parts in these multi-part standards. This will mean that a specific number is always used for each part, so that Architecture/Application will always be part 1, ITS-station Management will always be part 2, Security Set will always be part 3, etc. This part of ISO/TR 17465 also describes the relations between the different parts of these standards, e.g. the relationship between architectural elements and data sets.

The use by multi-part standards of the structure described in this Technical Report does not remove the obligation for those creating standards to involve other Technical Committees and/or Working Groups in the creation of a particular standard. Thus, for example, the part of the standard that describes the provisions for protection of privacy data and requirements for security of data and data transmissions should be created in explicit coordination with the CEN/ISO working group responsible for overall C-ITS Security and Privacy.

The need for the involvement of other Technical Committees and/or Working Groups will depend on the scope and contents of the multi-part standard. There might be need for this involvement to be identified in the New Work Item Proposal from which the multi-part standard is to be created and for a template to be created so that this is done in a consistent way for all multi-part standards.

This Technical Report is thus only for use with standards that relate to Cooperative-ITS. Its contents need not be applied to the ISO TC 204 and CEN TC 278 standards that do not specify information exchanges because they are not relevant to those standards (such as standards for stand-alone systems that acquire information only from sensors).

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Intelligent transport systems — Cooperative ITS —

Part 2:
Guidelines for standards documents

1 Scope

This part of ISO/TR 17465 provides guidance for the structure that is to be used in multi-part ISO/CEN standards for particular services or applications to be included in Cooperative-ITS. The guidance in this part of ISO/TR 17465 may also be considered for use in multi-part standards for other ITS services and applications.

2 Terms and definitions

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

2.1
Cooperative-ITS
C-ITS
subset of overall *ITS* (2.2) that communicates and shares information between *ITS stations* (2.5) and *ITS applications* (2.3) to give advice or facilitate actions with the objective of improving safety, sustainability, efficiency, and comfort beyond the scope of stand-alone systems

Note 1 to entry: For further details and the justification of this definition, see ISO/TR 17465-1.

2.2
intelligent transport system
ITS
transport systems in which advanced information, communication, sensor and control technologies, including the internet, are applied to increase safety, sustainability, efficiency, and comfort

2.3
ITS application
instantiation of an *ITS service* (2.4) that involves an association of two or more complementary *ITS-S application processes* (2.6)

Note 1 to entry: Fragments of an application may also reside in nodes that are not *ITS stations* (2.5).

[SOURCE: ISO 21217:2014, 3.9]

2.4
ITS service
functionality provided to users of *intelligent transport systems* (2.2) designed to increase safety, sustainability, efficiency, or comfort

[SOURCE: ISO 21217:2014, 3.11]

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