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## Intelligent transport systems — Identifiers

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# Contents

Page

# 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 of 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 www.iso.org/iso/foreword.html.

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

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

# Introduction

ISO/TC 204 has defined several documents that require globally unique identifiers to reference specific items of interest (e.g. protocols, ITS applications, organizations). Items that need to be identified can be registered in the Registry of Intelligent Transport System Items (RITSI), where they are assigned a formal identifier. RITSI is designed in an open format such that:

— documents, including those developed outside of ISO, can:

  — define data elements that reference RITSI registers as their value domain specification, and

  — include informative statements that indicate the identifier that has been assigned to a specific item;

— new items can be recorded in a timely fashion;

— the listing of registered items can be browsed and searched.

This document is designed to be used by the Intelligent Transport Systems (ITS) community at large but is particularly directed at application developers and equipment providers.

This document specifies the procedures used to manage RITSI. The document is presented as follows:

— Clause 5 provides an overview of the document and the concepts used;

— Clause 6 defines the attributes that are used to characterize item classes;

— Clause 7 defines attributes that are used to characterize registered items;

— Clause 8 defines the information and rules related to requests that are submitted;

— Annex A provides the request form for use for all requested changes to the registers maintained according to the rules defined by this document.

# Intelligent transport systems — Identifiers

## 1 Scope

This document defines the rules and processes used to assign and manage identifiers to items of interest within the ITS community.

## 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.

ISO/IEC 8824-1, *Information technology — Abstract Syntax Notation One (ASN.1) — Part 1: Specification of basic notation*

ISO 3166-1, *Codes for the representation of names of countries and their subdivisions — Part 1: Country code*

ISO/TS 14812, *Intelligent transport systems — Vocabulary*

ISO 17419, *Intelligent transport systems — Cooperative systems — Globally unique identification*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17419, ISO/TS 14812 and the following apply.

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

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

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

**3.1**
**identifier**
expression used to distinguish a *registered item* (3.6) uniquely and unambiguously within the scope of an *item class* (3.3)

**3.2**
**item**
member of an *item class* (3.3)

Note 1 to entry: The term "item" can be used to refer to any entity of interest, whether it has been included in a register or not.

**3.3**
**item class**
set of entities of interest that need to be uniquely distinguished from one another

**3.4**
**register**
table where each row is used to assign an *identifier* (3.1) to represent an *item* (3.2)