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BSI Standards Publication

Intelligent transport systems — Graphic data dictionary

Part 2: Examples

bsi.

National foreword

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Intelligent transport systems — Graphic data dictionary —

Part 2: **Examples**

Systèmes de transport intelligents — Dictionnaire de données graphiques —

Partie 2: Exemples

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Foreword

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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*.

A list of all parts in the ISO 14823 series can be found on the ISO website.

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

This document presents examples of ASN.1 coding of a Graphic Data Dictionary (GDD) that has been developed with the intent of creating a common basis for transmitting encoded information for existing road traffic signs and pictograms. The coding system has been developed to be language independent, such that data that can be interpreted, irrespective of language or regional differences. It supports Intelligent Transport System (ITS) applications such as in-vehicle signage or in-vehicle information.

This document supports

— the efficient IT-centric encoding for ITS messaging to represent specific road traffic signs and pictograms, and

— the consistent decoding of encoded road traffic signs and pictogram data for display in ITS.

This document can support the translation of signs and pictograms with a similar purpose from the representation used in one country to the representation used in another country.

TECHNICAL REPORT **ISO/TR 14823-2:2019(E)**

Intelligent transport systems — Graphic data dictionary —

Part 2: Examples

1 Scope

This document reports examples of ASN.1 codes based on ISO 14823-1[1)], which specifies a graphic data dictionary (GDD) including the ASN.1 coding rule for GDD.

NOTE Some of the ASN.1 codes described in this document are re-formatted based on ISO 14813-6.

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:

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

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

3.1
attribute
code attached to the *pictogram* (3.4) in order to clarify the meaning of the pictogram

3.2
country code
internationally recognised codes stipulated by ISO 3166-1 when referring to countries and subdivisions of countries

3.3
graphic data dictionary
GDD
catalogue of codes for *pictograms* (3.4) organised systematically

3.4
pictogram
sign or icon rendered on a display of an IT system such as a computer or VMS to inform travellers of information such as traffic regulations or public facilities

3.5
pictogram category code
codes assigned to the more detailed category of a *pictogram* (3.4) type under the service category

3.6
qualifier
parameter for an *attribute* (3.1) used to express the meaning of *pictogram* (3.4) quantitatively

1) To be published.