Intelligent transport systems - Traffic and travel information messages via traffic message coding - Part 2: Event and information codes for Radio Data System - Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-2:2013)

EESTI STANDARDIKESKUS EVS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 14819-2:2013 sisaldab Euroopa standardi EN ISO 14819-2:2013 inglisekeelset teksti.	This Estonian standard EVS-EN ISO 14819-2:2013 consists of the English text of the European standard EN ISO 14819-2:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 04.12.2013.	Date of Availability of the European standard is 04.12.2013.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 03.220.20, 35.240.60

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 14819-2

December 2013

English Version

Intelligent transport systems - Traffic and travel information messages via traffic message coding - Part 2: Event and information codes for Radio Data System - Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-2:2013)

Systèmes intelligents de transport - Informations sur le trafic et le tourisme via le codage de messages sur le trafic - Partie 2: Codes d'événements et d'informations pour le système de radiodiffusion de données (RDS) - Canal de messages d'informations sur le trafic (RDS-TMC) avec ALERT-C(ISO 14819-2:2013)

Intelligente Transportsysteme - Verkehrs- und Reiseinformationen über Verkehrsmeldungskodierung - Teil 2: Ereignis- und Informationscodes für den digitalen Radiokanal für Verkehrsmeldungen (RDS-TMC) unter Nutzung von ALERT-C (ISO 14819-2:2013)

This European Standard was approved by CEN on 26 October 2013.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

Foreword

This document (EN ISO 14819-2:2013) has been prepared by Technical Committee ISO/TC 204 "Intelligent transport systems" in collaboration with Technical Committee CEN/TC 278 "Road transport and traffic telematics" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 14819-2:2003.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 14819-2:2013 has been approved by CEN as EN ISO 14819-2:2013 without any modification.

Contents

Introduction

ISO 14819-2 is the second part of the ISO 14819 series of standards, covering the so-called 'ALERT-C' protocol encoded for transmission into the RDS-TMC feature. Therefore, this part of ISO 14819 is intended to uniquely and solely be considered together with ISO 14819-1, for a complete understanding.

ISO 14819-1 fully describes the ALERT-C protocol concept and relationship with the RDS standard, IEC 62106.

In this version of ISO 14819-2, the content and the structure of the 'Events List' have not been altered, but recent work from the FORCE/ECORTIS Projects regarding translations and a number of improved formatting ideas suggested by the EPISODE Project, have been introduced. Additionally, mention is made of suggested 'Event List' sub-sets.

In particular, this part of ISO 14819 contains the special meta-language, in the so-called 'CEN-English', which the technical experts of CEN TC 278 agreed would be the only and sole source for all coded descriptions used in RDS-TMC. This methodology has allowed agreement in important details for the many hundreds of event phrases, so included, even though subtle linguistic differences were perceived and need to be allowed for in terms of end-user presentation. Thus, the French and German language editions of this series have the same form as this English language edition. All three language editions have exactly the same sections 3.1.3 Event List, 3.2.2 Supplementary Information List and 3.3.2 Forecast Event List written in 'CEN-English'. Each language edition comprises informative annexes providing those lists again in three or four column format showing the 'CEN-English' description and the 'transformed' language (not necessarily a direct literal translation, but a comprehensible transformation of the specific intent of the 'CEN-English') description in their respective languages.

Translations into other languages, based upon the normative 'CEN-English' have been produced and are available from the Traveller Information Services Association (www.tisa.org).

Intelligent transport systems — Traffic and travel information messages via traffic message coding —

Part 2:
Event and information codes for Radio Data System — Traffic Message Channel (RDS-TMC) using ALERT-C

1 Scope

ISO 14819-1 describes the ALERT-C protocol concept and message structure used to achieve densely coded messages to be carried in the RDS-TMC feature. This part of ISO 14819 defines the 'Events List' to be used in coding those messages.

2 Normative references

The following referenced documents are indispensable for the application 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 14819-1, *Intelligent transport systems — Traffic and travel information messages via traffic message coding — Part 1: Coding protocol for Radio Data System — Traffic Message Channel (RDS-TMC) using ALERT-C*

IEC 62106:2009, *Specification of the radio data system (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 to 108,0 MHz*

3 Event and Information codes for Traffic Message Channel

3.1 Event list

3.1.1 Explanatory notes

1) The event list is divided into update classes, indicated by the various sections. These update classes are used for terminal message management, as indicated in Section 6.1 of ISO 14819-1. The event list is shown in the format of a database.

    NOTE   The first column of the Event list in 3.1.3, Table 2 shows line numbers to assist reading and use of the database.

2) The second column gives a 'technical language' (so-called CEN-English) description of the event code, of which the code is shown in the third field. Appropriate authorities of each country have been responsible for the exact descriptions in other languages.

    This will ensure precise definitions and use of the event codes in the transmission layer. Individual terminal implementations may handle these (translated) descriptions with some flexibility. To allow a more effective presentation however without altering the meaning.