Vertical road signs - Portable deformable warning devices and delineators - Portable road traffic signs - Cones and cylinders KONSOLIDEERITUD TEKST

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13422:2004+A1:2009 sisaldab Euroopa standardi EN 13422:2004+A1:2009 ingliskeelset teksti.	This Estonian standard EVS-EN 13422:2004+A1:2009 consists of the English text of the European standard EN 13422:2004+A1:2009.
Standard on kinnitatud Eesti Standardikeskuse 29.05.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 29.05.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.04.2009.	Date of Availability of the European standard text 15.04.2009.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 93.080.30

Võtmesõnad:

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13422:2004+A1

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Supersedes EN 13422:2004

English Version

Vertical road signs - Portable deformable warning devices and delineators - Portable road traffic signs - Cones and cylinders

Signalisation routière vertical - Signaux temporaires - Dispositifs coniques et balises de signalisation

Straßenverkehrszeichen (vertikal) - Transportable Straßenverkehrszeichen - Leitkegel und Leitzylinder (einschließlich Erstprüfung und werkseigener Produktionskontrolle) - Änderung 1

This European Standard was approved by CEN on 24 June 2004 and includes Amendment 1 approved by CEN on 5 March 2009.

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 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 Management Centre has the same status as the official versions.

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

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Ref. No. EN 13422:2004+A1:2009: E

Contents

Foreword

This document (EN 13422:2004+A1:2009) has been prepared by the Technical Committee CEN/TC 226 "Road equipment" the Secretariat of which is held by AFNOR.

It derives from performance requirements and test methods published in CEN, CENELEC, CIE and ISO documents together with standards of the CEN member organisations.

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 October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.

This document includes Amendment 1, approved by CEN on 2009-03-05.

This document supersedes EN 13422:2004.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ▌A1〉 〈A1▌.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This document may be used to implement type approval and certification testing.

1 Scope

This document specifies requirements for new traffic cones and new traffic cylinders with retroreflective properties.

This document specifies minimum essential visual and physical performance characteristics; test methods for determination of product performance and the means by which this performance may be communicated to the user and the public including safety enforcement agencies.

The document provides a series of categories or classes by which a traffic cone or traffic cylinder may be specified for use in different applications in accordance with best practice.

In the case of physical properties, performance levels and indicative tests are provided for cold weather, stability, and impact resistance when dropped. Requirements for visual recognition properties, colour, retroreflectivity and luminance are provided.

All of the tests contained in this document already exist in one or more national technical standard(s) of Member State(s), or in legislative requirement(s) or code(s) of practice of Member State(s).

Provision for identification and marking to declared levels of performance is provided.

There are other product shapes which perform similar functions. This document does not cover devices made in other shapes, or which do not meet the design requirements of this document.

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.

〚A1〛 EN 12767, *Passive safety of support structures for road equipment – Requirements, classification and test methods* 〚A1〛

〚A1〛 EN ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025:2005)* 〚A1〛

ISO 4:1997, *Information and documentation — Rules for the abbreviation of title words and titles of publications*

〚A1〛 CIE 15, *Colorimetry* 〚A1〛

CIE 17.4:1987, *International lighting vocabulary*

CIE 54.2:2001, *Retroreflection — Definition and measurement*