



NSAI
Standards

Irish Standard
I.S. EN 13422:2004+A1:2009

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

I.S. EN 13422:2004+A1:2009

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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.

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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of an identical text or by endorsement, at the latest by October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.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** and **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*

3 Terms, definitions, symbols and abbreviations

For the purposes of this document, the following terms and definitions together with the symbols and abbreviations given in ISO 4:1997 apply. The photometric definitions given in CIE 17.4:1997 together with the following apply.

3.1

traffic cone

three dimensional device of conical shape comprising one or more parts including a base plate, cone body and a retroreflective surface or surfaces

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