

## **Fixed, vertical road traffic signs - Part 4: Factory production control**

Fixed, vertical road traffic signs - Part 4: Factory  
production control

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12899-4:2007 sisaldab Euroopa standardi EN 12899-4:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12899-4:2007 consists of the English text of the European standard EN 12899-4:2007.</p> <p>This document is endorsed on 18.12.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This Part of EN 12899 describes the requirements for Factory production control (FPC), for Parts 1, 2 and 3 of EN 12899.</p>	<p><b>Scope:</b> This Part of EN 12899 describes the requirements for Factory production control (FPC), for Parts 1, 2 and 3 of EN 12899.</p>
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English Version

## Fixed, vertical road traffic signs - Part 4: Factory production control

Signaux fixes de signalisation routière verticale - Partie 4 :  
Contrôle de la production en usine

Ortsfeste, vertikale Straßenverkehrszeichen - Teil 4:  
Werkseigene Produktionskontrolle

This European Standard was approved by CEN on 4 February 2007.

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.



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## Foreword

This document (EN 12899-4:2007) has been prepared by Technical Committee CEN/TC 226 "Road equipment" the secretariat of which is held by AFNOR.

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 May 2008, and conflicting national standards shall be withdrawn at the latest by August 2012.

No existing European Standard is superseded.

This European Standard consists of the following parts under the general title:

*Fixed, vertical road traffic signs —*

Part 1: *Fixed signs*

Part 2: *Transilluminated traffic bollards (TTB)*

Part 3: *Delineator posts and retroreflectors*

**Part 4: (This part) *Factory production control***

Part 5: *Initial type testing*

It is based on performance requirements and test methods published in CEN, CENELEC, CIE (International Commission on Illumination) and ISO documents together with standards of the CEN member organizations.

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

The following products are covered under Mandate M/111 Circulation Fixtures: Road Equipment. [Council Directive relating to construction products 89/106/EEC(CPD)]

Fixed vertical road traffic signs, either as products or unassembled as kits, and components of signs:

sheeting, (glass bead technology), supports, sign plates including lighting and fixings together with any combination of these components.

Also included are transilluminated traffic bollards, delineator posts and fixed retroreflectors.

This standard specifies which sorts of parameters and tests have to be taken into consideration within the FPC system, but leaves the precise test methods to be applied to be chosen depending on the manufacturer's facilities and production methods. The precise parameters and methods will be found in the manufacturer's written FPC procedures.

## 1 Scope

This Part of EN 12899 describes the requirements for Factory production control (FPC), for Parts 1, 2 and 3 of EN 12899.

## 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.

EN 12767, *Passive safety of support structures for road equipment — Requirements and test methods*

EN 12899-1:2007, *Fixed, vertical road traffic signs — Part 1: Fixed signs*

EN 12899-2:2007, *Fixed, vertical road traffic signs — Part 2: Transilluminated traffic bollards (TTB)*

EN 12899-3:2007, *Fixed, vertical road traffic signs — Part 3: Delineator posts and retroreflectors*

EN ISO 9000:2005, *Quality management systems — Fundamentals and vocabulary (ISO 9000:2005)*

EN ISO 9001:2000, *Quality management systems — Requirements (ISO 9001:2000)*

ISO 2859, *Sampling procedures for inspection by attributes*

## 3 Terms, definitions, symbols and abbreviations

For the purposes of this document, the terms and definitions given in EN ISO 9000:2005, EN 12899-1:2007, EN 12899-2:2007, EN 12899-3:2007 and the following apply.

### 3.1

#### **factory production control (FPC)**

permanent internal control of production exercised by the product manufacturer

### 3.2

#### **batch**

quantity of a product manufactured from one (or more, in so far as the performance of the product is not adversely affected) traceable delivery of raw material or components and for which there has been no change in the manufacturing process (in so far as the performance of the product is not adversely affected by any such change)

NOTE Production that is interrupted does not imply a new batch provided that there is no change in the raw material and component properties or in the manufacturing process.

### 3.3

#### **manufacturer**

person or organization with legal responsibility for placing the product on the market

### 3.4

#### **supplier**

producer of raw materials and components (e.g. sign faces, fixing devices etc.) of the product