



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 12966-2:2005

ICS 93.080.30

**ROAD VERTICAL SIGNS - VARIABLE
MESSAGE TRAFFIC SIGNS - PART 2: INITIAL
TYPE TESTING**

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

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English version

Road vertical signs - Variable message traffic signs - Part 2: Initial type testing

Signaux de signalisation routière verticale - Panneaux à
messages variables - Partie 2: Essai de type initial

Vertikale Verkehrszeichen - Wechselverkehrszeichen - Teil
2: Erstprüfung

This European Standard was approved by CEN on 15 March 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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Foreword

This document (EN 12966-2:2005) 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of an identical text or by endorsement, at the latest by October 2005, and conflicting national standards shall be withdrawn at the latest by October 2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

This document consists of the following Parts under the general title:

Road vertical signs

- Part 1 : *Variable message traffic signs – Part 1: Product standard*
- Part 2 : **(this part) Variable message traffic signs – Part 2: Initial type testing**
- Part 3 : *Variable message traffic signs – Part 3: Factory production control*

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

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

EN 12966-2:2005 (E)

1 Scope

This document specifies the requirements for Initial Type Testing (ITT) and is designed to be read in conjunction with Part 1.

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 12899-1:2001, *Fixed, vertical road traffic signs — Part 1: Fixed signs*

EN 12966-1:2005, *Road vertical signs — Variable message traffic signs — Part 1: Product standard*

EN 50293, *Electromagnetic compatibility — Road traffic signal systems — Product standard*

EN ISO 9000:2000, *Quality management systems — Fundamentals and vocabulary (ISO 9000:2000)*

HD 638 S1, *Road traffic signal systems*

HD 60364-4-443, *Electrical installation of buildings — Part 4-44: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances – Clause 443: Protection against overvoltages of atmospheric origin or due to switching (IEC 60364-4-44:2001/A1:2003, modified)*

3 Terms, definitions, symbols and abbreviations

For the purposes of this document, the terms and definitions given in EN ISO 9000:2000, EN 12966-1:2005 and EN 12899-1:2001 and the following apply.

- 3.1**
initial type testing
complete set of tests and other procedures determining the performance of the test module
- 3.2**
manufacturer
producer with legal responsibility for placing the product on the market
- 3.3**
supplier
producer of components (e.g. sign faces, fixing devices, optical devices, luminous sources, etc) for the product
- 3.4**
test module
test module is a sample that is representative of the finished product (see EN 12966-1:2005, 9.1)

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