

STN	Zariadenia zimnej údržby. Informačné systémy cestnej meteorológie. Časť 4: Skúšobné metódy pre stacionárne zariadenia.	STN P CEN/TS 15518-4
		30 3361

Winter maintenance equipment - Road weather information systems - Part 4: Test methods for stationary equipment

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Obsahuje: CEN/TS 15518-4:2013

118895

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2014
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

ICS 07.060; 13.030.40; 35.240.99

English Version

Winter maintenance equipment - Road weather information systems - Part 4: Test methods for stationary equipment

Matériel de viabilité hivernale - Systèmes d'information météorologique routière - Partie 4 : Méthodes d'essai pour les matériels fixes

Winterdienstausrüstung - Straßenzustands- und Wetterinformationssysteme - Teil 4: Prüfverfahren bei stationären Einrichtungen

This Technical Specification (CEN/TS) was approved by CEN on 30 July 2012 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Type reception test definition.....	5
3.1 Introduction	5
3.2 Pavement surface temperature	6
3.3 Road surface condition.....	10
3.4 Water film thickness	16
3.5 Freezing temperature.....	17
3.6 Road body temperature	21
3.7 Air temperature	21
3.8 Relative humidity	23
3.9 Dew point temperature.....	25
3.10 Precipitation detection time.....	25
3.11 Precipitation type	26
3.12 Precipitation intensity	27
3.13 Snow depth.....	28
3.14 Wind speed.....	28
3.15 Gust of wind	29
3.16 Wind direction	29
3.17 Visibility	31
Bibliography.....	33

Foreword

This document (CEN/TS 15518-4:2013) has been prepared by Technical Committee CEN/TC 337 “Winter maintenance and road service area maintenance equipment”, the secretariat of which is held by AFNOR.

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 *Winter maintenance equipment — Road weather information systems* comprises of the following parts:

- *Part 1: Global definitions and components;*
- *Part 2: Road weather — Recommended observation and forecast;*
- *Part 3: Requirements on measured values of stationary equipments;*
- *Part 4: Test methods for stationary equipment* (the present document).

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this Technical Specification: 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.

Introduction

Road Weather Information Systems (RWIS) are complex structures used for road maintenance decision support, which feature as a rule the following components: meteorological sensors and instruments, transmission technology, computer systems for processing, representation and storing of information, road weather forecasts, alarms, in relation to traffic control and traffic information systems and more.

This European Specification lays down the test procedures to verify the requirements on stationary equipment defined in EN 15518-3.

The aim is to allow for objective and reproducible measurement analysis and evaluation.

1 Scope

This Technical Specification specifies the test methods, the experimental set-up and result analysis for the laboratory qualification of stationary equipment within a RWIS.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13108-5, *Bituminous mixtures — Material specifications — Part 5: Stone Mastic Asphalt*

EN 15518-3, *Winter maintenance equipment — Road weather information systems — Part 3: Requirements on measured values of stationary equipments*

EN ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025)*

ISO 17714, *Meteorology — Air temperature measurements — Test methods for comparing the performance of thermometer shields/screens and defining important characteristics*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN