

STN	Charakteristiky povrchu ciest a letísk. Časť 14: Metóda na stanovenie odolnosti povrchu vozovky proti šmyku zariadením s riadeným pozdĺžnym sklzom (LFCN): ViaFriction (Road Analyser a Recorder ViaTech AS).	STN P CEN/TS 15901-14 73 6169
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Road and airfield surface characteristics - Part 14: Procedure for determining the skid resistance of a pavement surface using a device with longitudinal controlled slip (LFCN): ViaFriction (Road Analyser and Recorder of ViaTech AS)

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/16

Táto predbežná STN je určená na overenie. Pripomienky zasielajte ÚNMS SR najneskôr do 28.02.2018

Obsahuje: CEN/TS 15901-14:2016

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy
rozmnžovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

ICS 93.080.20; 93.120

English Version

**Road and airfield surface characteristics - Part 14:
Procedure for determining the skid resistance of a
pavement surface using a device with longitudinal
controlled slip (LFCN): ViaFriction (Road Analyser and
Recorder of ViaTech AS)**

Caractéristiques de surface des routes et aéroports -
Partie 14: Mode opératoire de détermination de
l'adhérence d'un revêtement de chaussée à l'aide d'un
dispositif à frottement longitudinal contrôlé (CFLRDK):
le ROAR (Analyseur de Route et Enregistreur du
Norsemeter)

Oberflächeneigenschaften von Straßen und
Flugplätzen - Teil 14: Verfahren zur Bestimmung der
Griffigkeit von Fahrbahndecken durch Verwendung
eines Geräts mit geregeltm Schlupf in Längsrichtung
(LFCN): Das ViaFriction-Messgerät (Road Analyser and
Recorder of ViaTech AS)

This Technical Specification (CEN/TS) was approved by CEN on 3 December 2015 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (CEN/TS 15901-14:2016) has been prepared by Technical Committee CEN/TC 227 "Road materials", the secretariat of which is held by DIN.

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1 Scope

This Technical Specification describes a method for determining the wet road skid resistance of a surface by measurement of the longitudinal friction coefficient LFCN. The described method is also used to determine the skid resistance on a surface covered by ice or snow.

The method provides friction coefficient measurements of the pavement by using an electrically braked test wheel.

ViaFriction can operate in the following modes:

- Fixed slip: The slip ratio is fixed. The slip ratio can be set to a value from 1 % to 75 %.
- Fixed slip speed: The slip speed is fixed. The slip speed has to be lower than the vehicle speed.
- Variable slip: The test wheel is braked from 0 % to 75 % slip ratio recording F 30, F 60 and the slip ratio/friction curve.

The test tyre is dragged over a pre-wetted pavement under controlled speed conditions while the test tyre is parallel to the direction of motion and perpendicular to the pavement. Skid resistance measurement on winter roads do not require pre-wetted pavement.

To determine the macrotexture of the pavement surface a laser system can be added. This system is placed in front of the towing vehicle in order to measure the macrotexture (mean profile depth — MPD) on dry pavements and on the same path as the skid resistance measurement is done. The standard for this measurement and the device is described in EN ISO 13473-1.

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 ISO 13473-1, *Characterization of pavement texture by use of surface profiles — Part 1: Determination of Mean Profile Depth (ISO 13473-1)*

ISO 13473-2, *Characterization of pavement texture by use of surface profiles — Part 2: Terminology and basic requirements related to pavement texture profile analysis*

ASTM 1551, *Standard Specification for Special Purpose, Smooth-Tread Tire, Operated on Fixed Braking Slip Continuous Friction Measuring Equipment*

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