

STN P	Inteligentné dopravné systémy (IDS) Kooperatívne systémy Požiadavky na skúšky a špecifikácia predlohy na vyhlásenie zhody implementácie protokolu (PICS) pre CEN ISO/TS 17426 (ISO/TS 21189: 2019)	STN P CEN ISO/TS 21189 01 8667
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Intelligent transport systems - Cooperative ITS - Test requirements and Protocol Implementation Conformance Statement (PICS) pro forma for CEN ISO/TS 17426 (ISO/TS 21189:2019)

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. 10/19

Táto predbežná STN je určená na overenie. Pripomienky zasielajte ÚNMS SR najneskôr do augusta 2021.

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English Version

Intelligent transport systems - Cooperative ITS - Test requirements and Protocol Implementation Conformance Statement (PICS) pro forma for CEN ISO/TS 17426 (ISO/TS 21189:2019)

Systèmes de Transport Intelligents - ITS Coopératifs - Exigences d'essais et Déclaration pro forma de conformité de l'implémentation du protocole de la norme CEN ISO/TS 17426 (ISO/TS 21189:2019)

Intelligente Verkehrssysteme - Kooperative ITS - Prüfanforderungen und pro-forma Konformitätsaussagen zur Protokollimplementierung (PICS) zur CEN ISO/TS 17426 (ISO/TS 21189:2019)

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CEN ISO/TS 21189:2019 (E)

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European foreword

This document (CEN ISO/TS 21189:2019) has been prepared by Technical Committee ISO/TC 204 "Intelligent transport systems" in collaboration with Technical Committee CEN/TC 278 "Intelligent transport systems" the secretariat of which is held by NEN.

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Endorsement notice

The text of ISO/TS 21189:2019 has been approved by CEN as CEN ISO/TS 21189:2019 without any modification.

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SPECIFICATION**

**ISO/TS
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**Intelligent transport systems —
Cooperative ITS — Test requirements
and protocol implementation
conformance statement (PICS) pro
forma for ISO/TS 17426**



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ISO/TS 21189:2019(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The harmonized deployment of Cooperative ITS is expected to improve road safety, support traffic management, and reduce greenhouse gas emissions. Delivering Contextual Speed information to road users is a key component of this development.

The purpose of this document is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ISO/TS 17426 may provide information about the implementation in a standardized manner.

According to ISO/TS 20026 and ETSI EG 202 798 V1.1.1 (2011-01), three deliverables should be developed to produce a complete set of Conformance Test Specifications for the Contextual Speed Information Service as defined in ISO/TS 17426:2016:

- Test requirements and Protocol Implementation Conformance Statement (PICS) pro forma;
- Test Suite Structure and Test Purposes (TSS & TP);
- Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) pro forma.

This document catalogues the Contextual Speed Information Service testable requirements, enabling to draft "Test Suite Structure and Test Purposes (TSS & TP)" and "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) pro forma" deliverables.

The two last deliverables are however out of the scope of this document.

Intelligent transport systems — Cooperative ITS — Test requirements and protocol implementation conformance statement (PICS) pro forma for ISO/TS 17426

1 Scope

This document provides the Protocol Implementation Conformance Statement (PICS) pro forma for conformance test specification for the Contextual Speed Information Service as defined in ISO/TS 17426:2016 in accordance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO/IEC 9646-1, *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 1: General concepts*

ISO/IEC 9646-7, *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 7: Implementation Conformance Statements*

ISO/TS 17426:2016, *Intelligent transport systems — Cooperative systems — Contextual speeds*

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