ICS 03.220.20, 35.240.60 PREDBEŽNÁ SLOVENSKÁ TECHNICKÁ NORMA Jún 2025

STN P	**Inteligentné dopravné systémy Špecifikácia databázy dynamických údajov a máp pre použitie v systéme prepojenej a automatizovanej jazdy Časť 2: Logický dátový model dynamických údajov (ISO/TS 22726-2: 2025)**	**STN P CEN ISO/TS 22726-2** 01 8592

Intelligent transport systems - Dynamic data and map database specification for connected and automated driving system applications - Part 2: Logical data model of dynamic data (ISO/TS 22726-2:2025)

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. 05/25

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do marca 2027 Úradu pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky.

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English Version

Intelligent transport systems - Dynamic data and map database specification for connected and automated driving system applications - Part 2: Logical data model of dynamic data (ISO/TS 22726-2:2025)

Systèmes de transport intelligents - Spécification de données dynamiques et de bases de données cartographiques pour les applications de système de conduite connectées et automatisées - Partie 2: Modèle de données logique des données dynamiques (ISO/TS 22726-2:2025)

Intelligente Verkehrssysteme - Dynamische Daten und Kartendatenbankspezifikation für verbundene und automatisierte Fahrsystemanwendungen - Teil 2: Logisches Datenmodell für dynamische Daten (ISO/TS 22726-2:2025)

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European foreword

This document (CEN ISO/TS 22726-2:2025) 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 22726-2:2025 has been approved by CEN as CEN ISO/TS 22726-2:2025 without any modification.

Technical Specification

ISO/TS 22726-2

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Intelligent transport systems — Dynamic data and map database specification for connected and automated driving system applications —

Part 2: Logical data model of dynamic data

Systèmes de transport intelligents — Spécification de données dynamiques et de bases de données cartographiques pour les applications de système de conduite connectées et automatisées —

Partie 2: Modèle de données logique des données dynamiques

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Foreword

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This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 278, *Intelligent transport systems,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 22726 series can be found on the ISO website.

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

In response to emerging automated driving system development, the need to define associated map database standards has been recognized. Automated driving systems require information on the road, lane and intersection. Conventional road networks for intelligent transport systems (ITS) use a linear modelling method such as link and node. Due to these new requirements, automated driving systems need a data model to express advanced features. The belt-shaped data modelling method has already been developed based on the "belt concept" in ISO 20524-2 to provide information about the road, lane and intersection. The concept of "map for highly automated driving" (MHAD) adopts the belt-shaped data model and harmonizes with the conventional road model such as that of ISO/TS 22726-1.

This document can be used as a reference model for ITS, for example, connected and automated driving system applications and applications of backend map centres which use map and map-related data. Implementation of this document can lead to cost reductions in maintenance/expansion of map access libraries as well as compilation/maintenance of map and map-related data for data providers and connected and automated driving/vehicle control applications.

This document does not define or specify new standards for dynamic information. Neither does it define procedures and/or methods for generating unified contents. It can be used for connected and automated driving system applications. This document's data model of MHAD and that of ISO/TS 22726-1 complement each other.

Technical Specification **ISO/TS 22726-2:2025(en)**

Intelligent transport systems — Dynamic data and map database specification for connected and automated driving system applications —

Part 2:
Logical data model of dynamic data

1 Scope

This document specifies a unified logical data model based on available existing dynamic information standards. The data has precise relative location references to be linked with ISO/TS 22726-1 which specifies the architecture and the logical data model of static map data for connected and automated driving applications. Dynamic event data comes from external systems and has been defined and specified independently by existing standards. Therefore, the logical data model in this document is formed to synthesize contents referring to other standards.

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 19505 (all parts), *Information technology — Object Management Group Unified Modeling Language (OMG UML)*