



**International
Standard**

ISO 13400-2

**Road vehicles — Diagnostic
communication over Internet
Protocol (DoIP) —**

**Part 2:
Transport protocol and network
layer services**

*Véhicules routiers — Communication de diagnostic au travers du
protocole internet (DoIP) —*

Partie 2: Protocole de transport et services de la couche réseau

**Third edition
2025-06**



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Foreword

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 31, *Data communication*.

This third edition cancels and replaces the second edition (ISO 13400-2:2019), which has been technically revised. It also incorporates ISO 13400-2:2019/Amd 1:2023.

The main changes are as follows:

- modified Figure 1 to show ISO 13400-2 DoIP payload type detection;
- specified the DoIP protocol version = 4 for this edition;
- updated [subclause 7.7](#) APP - Timing and communication parameters, [Table 12](#);
- added new requirement 7.DoIP-190 AL – DoIP entity diagnostic message NACK code set to 09_{16} ;
- added new requirement 7.DoIP-191 AL – DoIP transport protocol payload type status and message structure;
- added new requirement 7.DoIP-192 AL – DoIP entity checks for supported payload types over UDP Ports;
- modified [Figure 16](#) to include 7.DoIP-192 new requirement;
- modified [Figure 23](#) to include 7.DoIP-105, DoIP-193 and DoIP-194 new requirements;
- added new requirement 7.DoIP-195 AL – DoIP server supports one DoIP protocol version.

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