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**Road vehicles - Controller area network(CAN) - Part 2:
High-speed medium access unit**

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 Directives for Standardization - Part 1: Rules for the Structure and Drafting of Standardizing Documents.

This Document is Part 2 of GB/T 41588 Road Vehicles - Controller Area Network. GB/T 41588

has published the following parts:

- Part 1: Data Link Layer and Physical Signaling;
- Part 2: High-Speed Medium Access Unit;
- Part 3: Low-Speed Fault-Tolerant, Medium-Dependent Interface;
- Part 4: Time-Triggered Communication.

This Document equivalently adopts ISO 11898-2:2016 Road Vehicles - Controller Area Network (CAN) - Part 2: High-Speed Medium Access Unit.

Please note some contents of this Document may involve patents. The issuing agency of this

Document shall not assume the responsibility to identify these patents.

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Chief drafting staffs of this Document: Zhen Haichuan, Wu Yonghui, Ji Jiemei, Jiao Mingshun,

Zhu Tong, Ji Guotian, Liu Bin, Li Changlong, Wu Yuzhi, Shi Xiaomi, Lv Liang, Fang Zhirong, Qin Huaqiang, Ding Jie, Sun Wang, Liu Le, Han Guangsheng, Che Changfa, Xu Qian, Wen Qingjie, and Zhou Jiancang.

Road Vehicles - Controller Area Network (CAN)

- Part 2: High-Speed Medium Access Unit

1 Scope

This Document specifies the high-speed physical media attachment (HS-PMA) of the controller

area network (CAN), a serial communication protocol that supports distributed real-time control and multiplexing for use within road vehicles.

This Document includes HS-PMAs without and with low-power mode capability as well as with selective wake-up functionality. The physical media dependent sublayer is not in the scope

of this document.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates

indicated are applicable to this Document; for the undated documents, only the latest version

(including all the amendments) is applicable to this Document.

GB/T 41588.1-2022 Road Vehicles - Controller Area Network (CAN) - Part 1: Data Link Layer and Physical Signaling (ISO 11898-1:2015, IDT)

ISO 11898-1 Road Vehicles - Controller Area Network (CAN) - Part 1: Data Link Layer and Physical Signaling

NOTE: GB/T 41588.1-2022 Road Vehicles - Controller Area Network (CAN) - Part 1: Data Link

Layer and Physical Signaling (ISO 11898-1:2015, IDT)

ISO 16845-2 Road Vehicles - Controller Area Network (CAN) Conformance Test Plan - Part 2: High-Speed Medium Access Unit - Conformance Test Plan

3 Terms and Definitions

For the purposes of this Document, the terms and definitions given in ISO 11898-1 and the following apply.

3.1 Attachment unit interface; AUI

Interface between the PCS that is specified in ISO 11898-1 and the PMA that is specified in

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