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Road vehicles — Controller area network (CAN) —

Part 6: High-speed medium access unit with selective wake-up functionality

*Véhicules routiers — Gestionnaire de réseau de communication CAN —
Partie 6: Unité d'accès au médium haute vitesse avec fonctionnalité de réveil sélectif*



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
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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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The committee responsible for this document is ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

ISO 11898 consists of the following parts, under the general title *Road vehicles — Controller area network (CAN)*:

- *Part 1: Data link layer and physical signalling*
- *Part 2: High-speed medium access unit*
- *Part 3: Low-speed, fault-tolerant, medium-dependent interface*
- *Part 4: Time-triggered communication*
- *Part 5: High-speed medium access unit with low-power mode*
- *Part 6: High-speed medium access unit with selective wake-up functionality*

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Introduction

This International Standard was first published as one document in 1993. It covered the controller area network (CAN) data link layer, as well as the high-speed physical layer.

In the reviewed and restructured ISO 11898 series:

- ISO 11898-1 describes the data link layer including the logical link control (LLC) sublayer and the medium access control (MAC) sublayer as well as the physical signalling (PHS) sublayer;
- ISO 11898-2 defines the high-speed medium access unit (MAU);
- ISO 11898-3 defines the low-speed fault-tolerant medium access unit (MAU);
- ISO 11898-4 defines the time-triggered communication;
- ISO 11898-5 defines the power modes of the high-speed medium access unit (MAU);
- ISO 11898-6 defines the selective wake-up functionality of the high-speed medium access unit (MAU).