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**Road vehicles — Interchange of digital  
information on electrical connections  
between towing and towed vehicles —**

**Part 2:**

**Application layer for brakes and running  
gear**

*Véhicules routiers — Échange d'informations numériques sur les  
connexions électriques entre véhicules tracteurs et véhicules tractés —*

*Partie 2: Couche d'application pour les équipements de freinage et les  
organes de roulement*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11992-2 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

This second edition cancels and replaces the first edition (ISO 11992-2:1998), reviewed in the light of changing legislative requirements and which has been technically revised.

ISO 11992 consists of the following parts, under the general title *Road vehicles — Interchange of digital information on electrical connections between towing and towed vehicle*:

- *Part 1: Physical layer and data-link layer*
- *Part 2: Application layer for brakes and running gear*
- *Part 3: Application layer for equipment other than brakes and running gear*

Part 4, *Diagnostics*, is under preparation.

## Introduction

This part of ISO 11992 is subject to additions which will become necessary in order to keep pace with experience and technical advances. Care has been taken to ensure that these additions can be introduced in a compatible way, and care will have to be taken in the future so that such additions remain compatible with previous versions. In particular, it may become necessary to standardize new parameters and parameter groups. ISO members can request that such new parameters and parameter groups be included in future editions of ISO 11992 by completing the *Parameter identification form* in Annex A and submitting it to ISO/TC 22/SC 3.

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# Road vehicles — Interchange of digital information on electrical connections between towing and towed vehicles —

## Part 2:

## Application layer for brakes and running gear

### 1 Scope

This part of ISO 11992 specifies the parameters and messages for electronically controlled braking systems, including ABS (anti-lock braking systems) and for running gear equipment (i.e. systems for steering, suspension and tyres), to ensure the interchange of digital information between road vehicles with a maximum authorized total mass greater than 3 500 kg, and their towed vehicles, including communication between towed vehicles.

The objective of the data structure is to optimize the use of the interface, while preserving a sufficient reserve capacity for future expansion.

### 2 Normative references

The following referenced documents are indispensable for the application 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 11898:1993<sup>1)</sup>, *Road vehicles — Interchange of digital information — Controller area network (CAN) for high-speed communication*

ISO 11992-1, *Road vehicles — Interchange of digital information on electrical connections between towing and towed vehicles — Part 1: Physical layer and data-link layer*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 11992-1 apply.

### 4 Abbreviations

ABS	Anti-lock Braking System
ASR	Anti Spin Regulation (traction control system)
CAN	Controller Area Network

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1) Amended in 1995. Under revision.