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## Road vehicles — Technical documentation of electrical and electronic systems —

### Part 1: Content of exchanged documents

*Véhicules routiers — Documentation technique des systèmes électriques et électroniques —*

*Partie 1: Contenu des documents échangés*



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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 3.

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 part of ISO 11748 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 11748-1 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

ISO 11748 consists of the following parts, under the general title *Road vehicles — Technical documentation of electrical and electronic systems*:

- *Part 1: Content of exchanged documents*
- *Part 2: Documentation agreement*
- *Part 3: Application example*

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## Introduction

There are two types of requirements to be taken into account when producing technical documentation for an electrical or electronic system: those of the submitters and receivers of data on the one hand, and those of the project data organizer on the other. Both types of requirement are met by a data management process related to the project lifetime.

Technical documentation is thus described as both a set of technical data elements and as document organization, whose structure depends on the content and the data management system.

In addition, document technology is to be chosen according to the content and organization of the technical documentation, together with the document technology strategy of the partners involved.

Within the context of technical documentation exchanged between partners for the development of on-board electronic control systems for road vehicles, the general approach is reduced to:

- content, by means of an inventory and a precise description of the possible technical data elements;
- structure, by a description of the procedure allowing a document agreement to be implemented between partners for a given technical information base and data management system.

The choice of technology for technical documentation will depend on what is currently available on the market and chosen by the automotive industry, but should allow the complete implementation of the technical documentation to be demonstrated.