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Vejkøretøjer – Elektrisk forstyrrelse ved ledning og sammenkobling – Del 4: Elektrisk transient afledning udelukkende langs skærmede højspændingsledninger

Road Vehicles – Electrical disturbance by conduction and coupling – Part 4: Electrical transient conduction along shielded high voltage supply lines only

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DS projekt: M309738

ICS: 43.040.10

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First edition
2020-05-06

Road Vehicles — Electrical disturbance by conduction and coupling —

Part 4: Electrical transient conduction along shielded high voltage supply lines only

Vehicules routiers — Perturbations electriques par conduction et par couplage —

Partie 4: Conduction transitoire electrique seulement le long des lignes à haute tension blindées



Reference number
ISO/TS 7637-4:2020(E)

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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.

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 32, *Electrical and electronic components and general system aspects*.

A list of all parts in the ISO 7637 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Road Vehicles — Electrical disturbance by conduction and coupling —

Part 4:

Electrical transient conduction along shielded high voltage supply lines only

1 Scope

This document specifies test methods and procedures to ensure the compatibility to conducted electrical transients along shielded high voltage supply lines of equipment installed on passenger cars and commercial vehicles fitted with electrical systems with voltages higher than 60 V d.c. and lower than 1 500 V d.c. and a power supply isolated from the vehicle body. It describes bench tests for both, injection and measurement of transients. It is applicable to all types of electrical independent driven, road vehicles (e.g. battery electrical vehicle (BEV) or hybrid electrical vehicle (HEV), plugin hybrid electric vehicle (PHEV)).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 7637-1](#), *Road vehicles — Electrical disturbances from conduction and coupling — Part 1: Definitions and general considerations*