

INTERNATIONAL STANDARD

ISO
7637-0

First edition
1990-08-15

Road vehicles — Electrical disturbance by conduction and coupling —

Part 0: Definitions and general

*Véhicules routiers — Perturbations électriques par conduction et par
couplage —*

Partie 0: Définitions et généralités



Reference number
ISO 7637-0:1990(E)

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.

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.

International Standard ISO 7637-0 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

This first edition cancels and replaces the first edition of the Technical Report, ISO/TR 7637-0:1984, of which it constitutes a technical revision.

ISO 7637 consists of the following parts, under the general title *Road vehicles — Electrical disturbance by conduction and coupling*:

- *Part 0: Definitions and general*
- *Part 1: Passenger cars and light commercial vehicles with nominal 12 V supply voltage — Electrical transient conduction along supply lines only*
- *Part 2: Commercial vehicles with nominal 24 V supply voltage — Electrical transient conduction along supply lines only*

NOTES

1 Future parts of this International Standard will cover *Vehicles with nominal 12 V supply voltage — Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines*; *Vehicles with nominal 24 V supply voltage — Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines*; *On-board vehicle test procedures*.

2 The second element of the general title of ISO 7637 is now given as "*Electrical disturbance...*" instead of the "*Electrical interference...*" used previously.

3 A future International Standard is also being prepared to cover radiated electromagnetic interference and electrostatic discharge.

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