

Third edition
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Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy —

Part 2:

Absorber-lined shielded enclosure

Véhicules routiers — Méthodes d'essai d'un équipement soumis à des perturbations électriques par rayonnement d'énergie électromagnétique en bande étroite —

Partie 2: Chambre anéchoïque



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Foreword

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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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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 32, *Electric and electronic equipment*.

This third edition cancels and replaces the second edition (ISO 11452-2:2004), which has been technically revised.

The main changes compared to the previous edition are as follows:

- a) introduction of reference to additional artificial networks (HV-AN, AMN, AAN) for DUT powered by a shielded power system;
- b) precisions for ground plane dimensions;
- c) suppression of the minimum distance requirement between rear of horn antenna and absorbers;
- d) addition of test set-up descriptions and Figures for DUT powered by a shielded power system;
- e) suppression of [Annex A](#) relative to artificial networks which are now defined in ISO 11452-1; and
- f) update of previous Annex C to be in line with new functional performance status classification (FPSC) format.

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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Introduction

Immunity measurements of complete vehicles are generally able to be carried out only by the vehicle manufacturer, owing to, for example, high costs of an absorber-lined shielded enclosure (ALSE), the desire to preserve the secrecy of prototypes or a large number of different vehicles models.

For research, development and quality control, a laboratory measuring method can be used by both vehicle manufacturers and equipment suppliers to test electronic components.