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Security and resilience — Vehicle security barriers —

Part 2: Application

Sécurité et résilience — Barrières de sécurité pour véhicules —

Partie 2: Application

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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 document 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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 292, *Security and resilience*.

This first edition cancels and replaces IWA 14-2:2013, which has been technically revised.

The main changes are as follows:

— alignment with ISO 22343-1;

— updating of the document in light of changing threat and availability of tested vehicle security barriers (VSBs), i.e. surface-placed and shallow mount systems;

— re-organization of the document for international readability.

A list of all parts in the ISO 22343 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.

Security and resilience — Vehicle security barriers —

Part 2: Application

1 Scope

This document gives guidance on the selection, installation and use of vehicle security barrier (VSBs) and describes the process of producing operational requirements (ORs).

It also gives guidance on a design method for assessing the performance of a VSB.

This document is applicable to end users, such as site owners and specifiers, of VSBs, where they are used to protect people in any public or private location from vehicle attacks.

This document does not apply to the performance of a VSB or its control apparatus when subjected to:

— slow speed encroachment;

— slow speed nudging and ramming;

— blast explosion;

— ballistic impact;

— manual attack, with the aid of the vehicle (multiple impacts at slow speed);

— manual attack, with the aid of tools (excluding vehicles);

— electrical manipulation;

— attack on the control systems by any means.

NOTE 1 For manual attack, a variety of test methods exist. For assessing intruder resistance of building components, see LPS 1175[53].

NOTE 2 The VSB is designed and tested on the basis of:

a) vehicle type, mass and speed of the assessed vehicle-borne threat;

b) its geographical application (e.g. climate conditions);

c) intended site location (e.g. rigid or non-rigid soil/finished surface (paving, cobblestone, granite, asphalt).

It does not apply to guidance on design, the operational suitability of a VSB or other impact test methods.

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 22343-1 , *Security and resilience — Vehicle security barriers — Part 1: Performance requirement, vehicle impact test method and performance rating*