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Nederlandse norm

NEN-ISO 13215-1

(en)

Road vehicles - Reduction of misuse risk of child restraint systems - Part 1: Forms for field studies (ISO 13215-1:2006, IDT)

Vervangt NEN-ISO 13215-1:2006-08

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VOORBEELD
Preview

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2006-07-01

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2006-11-01

Preview

**Road vehicles — Reduction of misuse
risk of child restraint systems —**
**Part 1:
Forms for field studies**

*Véhicules routiers — Réduction du risque de mauvaise utilisation des
systèmes de retenue pour enfants —
Partie 1: Formulaires pour les études in situ*



Reference number
ISO 13215-1:2006(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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The main task of technical committees is to prepare International Standards. 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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 13215-1 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 12, *Passive safety crash protection systems*.

ISO 13215 consists of the following parts, under the general title *Road vehicles — Reduction of misuse risk of child restraint systems*:

- *Part 1: Forms for field studies*
- *Part 2: Requirements and test procedures for correct installation (panel method)*
- *Part 3: Prediction and assessment of misuse by Misuse Mode and Effect Analysis (MMEA)*

This corrected version of ISO 13215-1:2006 incorporates the following correction:

- the URL in Clause 7 has been updated.

Introduction

Whether or not adequate protection is provided to a child occupant in a vehicle crash depends not only on the inherent capability of the child restraint system to provide protection, but also on its proper installation and subsequent correct use. Today it is known that certain misuse configurations and interface problems can have serious consequences for child occupants in vehicle crashes.

A clear understanding of the kind and frequency of incorrect use has important implications for the design of child restraint systems and instructions for use, the vehicle in which they are used, education and loan programs, and legislation.

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Road vehicles — Reduction of misuse risk of child restraint systems

Part 1: Forms for field studies

1 Scope

This part of ISO 13215 specifies a basic methodology, including sample forms, for collection of data concerning misuse of child restraint systems in field studies. The purpose of using standardized forms is to provide a tool for quantification of misuse related to common misuse parameters, and to facilitate the exchange of data between different parties, thus making the results easily available for analysis. By using the sample forms provided, some main misuse configurations for several different groups of child restraint systems can be determined.

NOTE For further evaluation of the misuse risk of a specific child restraint system, ISO 13215-2 and ISO 13215-3 can be used.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

child restraint system

CRS

any free-standing device intended to provide child vehicle occupants with an approved restraint

NOTE CRS comprise various categories, such as car beds, infant restraints, toddler seats, booster cushions and booster seats. Combination products may cover two or more of these product categories.

2.2

misuse of child restraint systems

any deviation from intended application and use which might reduce the protective performance of the child restraint system

3 Instructions

3.1 General

Annex A consists of two forms for general information, and five forms covering various application examples for common CRS types. The different forms have the same general layout. Typical child mass ranges are given for reference.

NOTE The forms presented are examples for common CRS types. While the forms may not fully cover the needs for a typical CRS, they can serve as a support for development of more specific layouts. In general, the main intention is to provide all variables needed to perform a CRS field study on misuse, and to facilitate the assessment and comparison of incorrect use of child restraint systems for different markets.

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