



Technical Specification

ISO/TS 19206-7

**Road vehicles — Test devices
for target vehicles, vulnerable
road users and other objects,
for assessment of active safety
functions —**

Part 7:

**Test method for target carrier
system behaviour**

*Véhicules routiers — Dispositifs d'essai pour véhicules cibles,
usagers de la route vulnérables et autres objets, pour l'évaluation
de fonctions de sécurité active —*

*Partie 7: Méthode d'essai du comportement du système porteur
de cible*

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Foreword

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 33, *Vehicle dynamics, chassis components and driving automation systems testing*.

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Introduction

ADAS (advanced driver assistance systems) and active-safety systems are designed to support decision-making for the driver, extend the driver's awareness of the traffic situation with advanced warnings, improve the behaviour of the vehicle and even take over vehicle control in an emergency situation. The goal is to completely avoid an accident or at least reduce the severity of an accident.

The surrogate target is an essential component in the evaluation of ADAS, active-safety functions and different levels of automated driving systems, in all situations where a collision with the target can occur.

To make test protocols more realistic, the multiple targets which are used for testing are put on a target carrier system which can move following pre-defined trajectories, speeds, etc.

The motion of this target carrier with the target are designed to accurately fulfil the specifications defined in the test protocols, which can be type approval tests, consumer tests (for example, Euro NCAP or other NCAP) or development tests. The dynamic performance of the target carrier system can be determined using the methods in this document.

The target carrier can be of a large or a smaller type according to the size of the target and other demands of the pre-defined tests.

The description of the tests is based on the current NCAP test protocols and can be adapted for future test protocols.

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