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## **Passenger cars — Test track for a severe lane-change manoeuvre —**

### **Part 1: Double lane-change**

*Voitures particulières — Piste d'essai de déboîtement latéral brusque —  
Partie 1: Double déboîtement*



Reference number  
ISO 3888-1:1999(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 3888-1 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 9, *Vehicle dynamics and road-holding ability*.

It cancels and replaces ISO/TR 3888:1975. Due to the subjective nature of the test, only the dimensions for a severe double lane-change track have been retained from ISO/TR 3888 for this part of ISO 3888. This should result in more comparable measurements when used for investigations on vehicle dynamics. The principle and examples of tests on severe lane-change manoeuvres specified in ISO/TR 3888 have been included in ISO 3888-1 for information (see annex A).

ISO 3888 consists of the following parts, under the general title, *Road vehicles — Test procedure for a severe lane-change manoeuvre*:

- *Part 1: Double lane-change*
- *Part 2: Obstacle avoidance*

Annex A of this part of ISO 3888 is for information only.

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## Introduction

The severe lane-change manoeuvre is a well-known test method which is generally used for subjective evaluation of vehicle dynamics.

The severe lane-change manoeuvre test method was previously described in a Technical Report (ISO/TR), and until now has not been dealt with in an International Standard. The reason for this was that the driver has a great influence on test results. The test method itself has now been placed in an informative annex, permitting the specification for the test track to be published as an International Standard. No closed-loop test has so far been specified in an International Standard for the purpose of investigating vehicle dynamics.

Since test performed on the severe lane-change track quantifies only a small part of complete handling characteristics, the results obtained on this test track can only be considered significant for a correspondingly small aspect of overall vehicle-dynamics behaviour. Therefore, it is not possible to use this part of ISO 3888 and test results for regulation purposes.