Second edition 2014-09-01

Road vehicles — Measurement of driver visual behaviour with respect to transport information and control systems —

Part 2:

Equipment and procedures

Véhicules routiers — Mesurage du comportement visuel du conducteur en relation avec les systèmes de contrôle et d'information sur le transport —

Partie 2: Équipement et procédures



ISO/TS 15007-2:2014(E)

This is a preview of "ISO/TS 15007-2:2014". Click here to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org

Published in Switzerland

Contents			Page	
Fore	eword		iv	
Intr	oductio	n	v	
1	Scop	e	1	
2	Normative references		1	
3	Term	Terms and definitions		
4	Eval u 4.1 4.2	Subject selection Trial procedures	1	
5	Reco 5.1 5.2 5.3 5.4	rding equipment General Eye-Tracking equipment Additional recording equipment Installation	4 4 5	
6	Data 6.1 6.2 6.3	reduction General Sample interval Summary data	6 6	
7	Data 7.1 7.2 7.3	analysis and presentation General Interpretation of findings from analyses of glance metrics Interpretation of multiple glance metrics	8 9	
Ann	ex A (in: dete	formative) Supporting information for performing and analysing experiments to rmine driver visual behaviour	11	
Bibliography			14	

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.

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. www.iso.org/directives

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 22, *Road vehicles*, Subcommittee SC 13, *Ergonomics applicable to road vehicles*.

This second edition of ISO/TS 15007-2 cancels and replaces the first edition (ISO/TS 15007-2:2001), which has been technically revised.

ISO/TS 15007 consists of the following parts, under the general title *Road vehicles* — *Measurement of driver visual behaviour with respect to transport information and control systems*:

- Part 1: Definitions and parameters
- *Part 2: Equipment and procedures* [Technical Specification]

Introduction

This Technical Specification supports ISO 15007-1, which defines key terms and parameters for the assessment of the visual impact on driver visual behaviour of TICS (Traffic Information Control Systems), and other vehicle tasks or on-board systems.

ISO/TS 15007-2 supports ISO 15007-1 by giving guidance on equipment and procedures that can be used in a practical TICS evaluation, with recommendations on how to interpret selected metrics (standards of measurement) of visual behaviour.