

Australian Standard™

Laser-based speed detection devices

Part 2: Operational procedures

This Australian Standard was prepared by Committee CS-098, Laser Speed Detection. It was approved on behalf of the Council of Standards Australia on 11 July 2003 and published on 12 August 2003.

The following are represented on Committee CS-098:

Australian Automobile Association
Australian Chamber of Commerce and Industry
CSIRO Division of Telecommunications and Industrial Physics
Institution of Engineers Australia
National Standards Commission
New South Wales Police Service
Queensland Police Service
South Australia Police
Tasmania Police
Victoria Police
Western Australia Police

Keep Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using the current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Australia website at www.standards.com.au and looking up the relevant Standard in the online catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year and the monthly magazine, *The Global Standard*, has a full listing of revisions and amendments published each month.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.com.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

Australian Standard™

Laser-based speed detection devices

Part 2: Operational procedures

First published as AS 4691.2—2003.

COPYRIGHT

© Standards Australia International

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 3661 0

PREFACE

This Standard was prepared by Standards Australia Committee CS-098, Laser Speed Detection, following a request by a supplier of these devices for a performance specification and operating procedures for laser-based speed detection devices. The request has resulted in the preparation of a two part series of Standards. Part 1 covers definitions and device requirements predominantly for assistance to manufacturers and this Part (Part 2) covers operational procedures for users of these devices.

This Standard does not purport to be an exhaustive set of requirements for the metrological aspects of speed measurements by laser. The establishment of such requirements falls within the area of responsibility of the National Standards Commission (NSC) rather than Standards Australia.

This Standard has been prepared to take into account the state of the art of laser-based speed detection in Australia at the time of publication.

This Standard is not intended to inhibit further advances in laser-based speed detection technology. The Committee will consider amending the Standard to include suitable requirements for new types of equipment as they become available.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	4
1.2 OBJECTIVE.....	4
1.3 REFERENCED DOCUMENT.....	4
1.4 DEFINITIONS.....	4
SECTION 2 OPERATIONAL PROCEDURES	
2.1 OPERATOR.....	5
2.2 EQUIPMENT CERTIFICATION.....	5
2.3 OPERATIONAL CHECKS.....	6
2.4 SITE SELECTION.....	6
2.5 FIELD TESTING.....	7
2.6 TARGET IDENTIFICATION.....	7
APPENDICES	
A OPERATOR TRAINING.....	9
B TRAINING OF PERSONNEL TO EVALUATE CAPTURED IMAGES.....	11

STANDARDS AUSTRALIA

Australian Standard

Laser-based speed detection devices

Part 2: Operational procedures

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies operational procedures for laser-based devices which are used to measure the speed of targets for law enforcement or scientific measurement using the lidar principle. This Standard includes devices linked to an image capture system.

1.2 OBJECTIVE

The objective of this Standard is to provide users of laser-based speed detection devices with requirements and recommendations covering the operation of these devices and the training of operators in order to ensure uniformity of practice.

1.3 REFERENCED DOCUMENT

The following document is referred to in this Standard:

AS

4691 Laser-based speed detection devices
4691.1 Part 1: Definitions and device requirements

1.4 DEFINITIONS

For the purpose of this Standard the definitions in AS 4691.1 apply.