



## **Traffic signal posts, mast arms and attachments**



This Australian Standard® was prepared by Committee LG-006, Road Traffic Signals. It was approved on behalf of the Council of Standards Australia on 6 April 2017. This Standard was published on 11 May 2017.

---

The following are represented on Committee LG-006:

- Australian Industry Group
  - CIE Australia
  - Department of Planning, Transport and Infrastructure, SA
  - Department of Transport and Main Roads, Qld
  - Hire and Rental Industry Association
  - IES: The Lighting Society
  - Intelligent Transport Systems Australia
  - Main Roads Western Australia
  - Roads and Maritime Services, NSW
  - Traffic Management and Safety - Roads ACT
  - VicRoads
- 

This Standard was issued in draft form for comment as DR AS 2339:2016.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

---

### **Keeping Standards up-to-date**

Australian Standards® are living documents that 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Standards may also be withdrawn.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 a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **[www.standards.org.au](http://www.standards.org.au)**

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at **[mail@standards.org.au](mailto:mail@standards.org.au)**, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

---

AS 2339:2017

Australian Standard<sup>®</sup>

## **Traffic signal posts, mast arms and attachments**

Originated as AS 2339—1980.  
Previous edition 1997.  
Fourth edition 2017.

### **COPYRIGHT**

© Standards Australia Limited

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, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76035 767 2

## PREFACE

This Standard was prepared by the Standards Australia Committee LG-006, Road Traffic Signals, to supersede AS 2339—1997, *Traffic signal posts and attachments* and AS 2979—1998, *Traffic signal mast arms*.

The objective of this Standard is to provide road and traffic authorities and their suppliers with requirements for the manufacture, purchase and use of posts, mast arms and attachments to—

- (a) ensure that structures will present a reasonably uniform appearance to road users;
- (b) provide for rationalization in the range of sizes required and in the functional performance requirements; and
- (c) provide for uniformity in the fixings and attachments used.

A number of significant changes have been made to the previous edition of this Standard as follows:

- (i) The inclusion of requirements for traffic signal mast arms and joint-use mast arms that were previously in the separate Australian Standard AS 2979.
- (ii) The inclusion of requirements for joint-use poles.
- (iii) The inclusion of specifications for square cross-section posts.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

## CONTENTS

	<i>Page</i>
<b>SECTION 1 SCOPE AND GENERAL</b>	
1.1 SCOPE.....	5
1.2 REFERENCED DOCUMENTS.....	5
1.3 DEFINITIONS.....	6
1.4 THE USE OF NON-FRANGIBLE POSTS.....	8
<b>SECTION 2 TRAFFIC SIGNAL POSTS</b>	
2.1 GENERAL.....	9
2.2 POST TYPE DESIGNATIONS.....	9
2.3 MATERIAL AND CONSTRUCTION.....	9
2.4 PHYSICAL ARRANGEMENT AND DIMENSIONS.....	10
2.5 PROVISION FOR TRAFFIC SIGNAL CABLES.....	11
2.6 FINISH.....	11
2.7 EARTHING FACILITIES.....	11
2.8 MARKING AND INSTRUCTIONS.....	13
<b>SECTION 3 MAST ARMS</b>	
3.1 GENERAL.....	14
3.2 MAST ARM TYPE DESIGNATIONS.....	14
3.3 MATERIALS AND CONSTRUCTION.....	15
3.4 STRUCTURAL REQUIREMENTS.....	15
3.5 PHYSICAL ARRANGEMENT AND DIMENSIONS.....	17
3.6 PROVISION FOR TRAFFIC SIGNAL CABLES.....	18
3.7 FINISH.....	18
3.8 EARTHING FACILITIES.....	19
3.9 PROVISION FOR ASSEMBLY.....	19
3.10 MARKING AND INSTRUCTIONS.....	19
<b>SECTION 4 JOINT-USE POLES</b>	
4.1 GENERAL.....	31
4.2 MATERIALS AND CONSTRUCTION.....	31
4.3 STRUCTURAL REQUIREMENTS.....	31
4.4 PHYSICAL ARRANGEMENT AND DIMENSIONS.....	32
4.5 PROVISION FOR TRAFFIC SIGNAL CABLES.....	32
4.6 FINISH.....	32
4.7 EARTHING FACILITIES.....	32
4.8 PROVISION FOR ASSEMBLY.....	32
4.9 MARKING AND INSTRUCTIONS.....	32
<b>SECTION 5 JOINT-USE MAST ARMS</b>	
5.1 GENERAL.....	33
5.2 STRUCTURAL REQUIREMENTS.....	33
5.3 PHYSICAL ARRANGEMENT AND DIMENSIONS.....	34
5.4 PROVISION FOR ROAD LIGHTING CABLES.....	34
<b>SECTION 6 LANTERN MOUNTING BRACKETS AND STRAPS</b>	
6.1 TYPES OF MOUNTING BRACKETS.....	36
6.2 BRACKET REQUIREMENTS.....	36
6.3 LANTERN MOUNTING STRAPS.....	39

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-