AS 1742.14:2014

Australian STANDARD

Manual of uniform traffic control devices

Part 14: Traffic signals

STANDARDS Australia

This Australian Standard® was prepared by Committee MS-012, Road Signs and Traffic Signals. It was approved on behalf of the Council of Standards Australia on 2 July 2014. This Standard was published on 19 August 2014.

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- Association of Consultants in Access Australia
- Australasian Railway Association
- Australian Automobile Association
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Motorcycle Council
- Austroads (Representative from Department of Planning, Transport and Infrastructure, SA)
- Department of Lands and Planning, NT
- Department of Territory and Municipal Services, Australian Capital Territory
- Department of Transport and Main Roads, Qld
- Institute of Public Works Engineering Australia
- Main Roads Western Australia
- Roadmarking Industry Association of Australia
- Roads and Maritime Services NSW
- VicRoads

This Standard was issued in draft form for comment as DR AS 1742.14.

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.

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Australian Standard®

Manual of uniform traffic control devices

Part 14: Traffic signals

Originated as AS 1742.14—1996.
Second edition designated as AS 1742.14:2014.

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

ISBN 978 1 74342 796 5

PREFACE

This Standard was prepared by the Standards Australia Committee MS-012, Road Signs and Traffic Signals, to supersede AS 1742.14—1996. It is one in a series of fourteen Standards which together form the *Manual of uniform traffic control devices*.

The AS 1742 series comprises the following Standards.

AS		
1742	Manual of uniform traffic control devices	
1742.1	Part 1:	General introduction and index of signs
1742.2	Part 2:	Traffic control devices for general use
1742.3	Part 3:	Traffic control for works on roads
1742.4	Part 4:	Speed controls
1742.5	Part 5:	Street name and community facility name signs
1742.6	Part 6:	Tourist and services signs
1742.7	Part 7:	Railway crossings
1742.9	Part 9:	Bicycle facilities
1742.10	Part 10:	Pedestrian control and protection
1742.11	Part 11:	Parking controls
1742.12	Part 12:	Bus, transit, tram and truck lanes
1742.13	Part 13:	Local area traffic management
1742.14	Part 14:	Traffic signals (this Standard)
1742.15	Part 15:	Direction signs, information signs and route numbering

The objectives of the revision are:

(a) To remove many detailed guidelines relating to the operation of traffic signals and referring to Austroads.

(b) To remove references to signals adjacent to railway level crossings, as this is contained in AS 1742.7.

(c) To include pedestrian countdown timer.

(d) To provide more details regarding lane use control sign for freeway management.

(e) To provide more guidance regarding LED signs.

(f) To harmonize standards in signs and line marking at signalized intersections.

The relationship between Australian Standards and publications produced by Austroads should be noted. The former provides specifications and procedures that ensure that products and services are safe and reliable, and consistently perform the way they are intended. Austroads provides guidance documents that deal with the design, construction maintenance and operation of the road network. Austroads documents are also used by road authorities in New Zealand.

In cases of similar subject matter, this is dealt with across both sets of documents. Where this occurs, each document aims to provide information that is consistent, complimentary and supportive of the other.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies the type and layout of signals, aspects and displays to be used at locations controlled by traffic signals including overhead lane control devices. Basic requirements for signs and pavement markings to be used in conjunction in accordance with AS 1742.2 are also given. The Standard does not cover railway level crossing signals of the type described in AS 1742.7 nor portable traffic signal which is covered in AS 4191.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS
1348 Road and traffic engineering—Glossary of terms

1742 Manual of uniform traffic control devices
1742.1 Part 1: General introduction and index of signs
1742.2 Part 2: Traffic control devices for general use
1742.7 Part 7: Railway crossings
1742.9 Part 9: Bicycle facilities
1742.10 Part 10: Pedestrian control and protection
1742.15 Part 15: Direction signs, information signs and route numbering

2144 Traffic signal lanterns

4191 Portable traffic signal systems

AS/NZS
1428 Design for access and mobility
1428.4.1 Part 4.1: Means to assist the orientation of people with vision impairment—Tactile ground surface indicators

1906 Retroreflective materials and devices for road traffic control purposes
1906.1 Part 1: Retroreflective sheeting

Austroads
Guide to Traffic Management, Part 9: Traffic Operations

Guide to Traffic Management, Part 10: Traffic Controls and Communication Devices

1.3 DEFINITIONS

For the purpose of this Standard the definitions in AS 1348, and those below apply.

1.3.1 Aspect

A single optical system on a signal face capable of being illuminated at any given time.