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Manual of uniform traffic control devices

Part 2: Traffic control devices for general use

AS 1742.2:2022

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Manual of uniform traffic control devices

Part 2: Traffic control devices for general use

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Preface

This Standard was prepared by the Standards Australia Committee MS-012, Road Signs and Traffic Signals to supersede, in part, AS 1742.2:2009, *Manual of uniform traffic control devices*, Part 2: *Traffic control devices for general use.*

This Standard is one of a series of 14 Standards as follows:

AS 1742.1, *Manual of uniform traffic control devices, Part 1: General introduction and index of signs*

AS 1742.2, *Manual of uniform traffic control devices, Part 2: Traffic control devices for general use* (this Standard)

AS 1742.3, *Manual of uniform traffic control devices, Part 3: Traffic control for works on roads*

AS 1742.4, *Manual of uniform traffic control devices, Part 4: Speed controls*

AS 1742.5, *Manual of uniform traffic control devices, Part 5: Street name and community facility name signs*

AS 1742.6, *Manual of uniform traffic control devices, Part 6: Tourist and services signs*

AS 1742.7, *Manual of uniform traffic control devices, Part 7: Railway crossings*

AS 1742.9, *Manual of uniform traffic control devices, Part 9: Bicycle facilities*

AS 1742.10, *Manual of uniform traffic control devices, Part 10: Pedestrian control and protection*

AS 1742.11, *Manual of uniform traffic control devices, Part 11: Parking controls*

AS 1742.12, *Manual of uniform traffic control devices, Part 12: Bus transit, tram and truck lanes*

AS 1742.13, *Manual of uniform traffic control devices, Part 13: Local area traffic management*

AS 1742.14, *Manual of uniform traffic control devices, Part 14: Traffic signals*

AS 1742.15, *Manual of uniform traffic control devices, Part 15: Direction signs, information signs and route numbering*

This document is divided into key sections, dealing with treatments at intersections, treatments at expressway interchanges and terminals, treatments between intersections and pavement markings.

This edition of this document contains a number of revisions that reflect changes in practice and traffic control device usages that have evolved since the previous edition of the document was published. The more significant changes are as follows:

(a) Several new signs have been added. These include additional supplementary signs for the restriction of vehicles over a certain mass or size, signs relating to emergency stopping bays and median access points. Symbolic signs for warning of the presence on the road of a horse and rider as well as further wild animal variants have also been included.

(b) Signs to warn of road conditions and hazards specific to motorcyclists such as tightening curves and sudden crossfall changes have been included.

(c) The upper safe vertical clearance limit for the provision of CLEARANCE signs at overhead structures has been increased.

(d) The type of treatment required at lane reductions (zip-merge or lane change) is now specific to the prevailing speed limit.

(e) Section 5, which specifies the requirements and recommendations for pavement markings, has been substantially revised. This has incorporated key outcomes from the Austroads Harmonization of Pavement Markings and National Pavement Marking Specification project.

(f) The patterns, widths and layouts of all longitudinal and transverse pavement markings have been rationalised in line with the project mentioned at Item (e), consolidated into this Standard and assigned specific identifiers for each type. A similar arrangement for the identification of the different types of pavement arrows is incorporated. Layouts, dimensions and spacing for diagonal and chevron markings have also been simplified with set values based on the speed limit.

(g) Advice on the dimensions and application of audio-tactile line markings, wide centre line treatments and yellow box markings at signalized intersections has been introduced.

(h) The layout and dimension information for various pavement marking elements (such as line patterns, symbols and messages) found in other parts of AS 1742 has been incorporated into this Standard as the primary source for this information. Future revision of other parts will necessarily remove the dimension components and specify application requirements only.

(i) A new Appendix and specific signs dealing with the inherent safety issues associated with a modified intersection where the major road turns or curves to the left has been introduced.

This document is accompanied by additional data in a ZIP file. The ZIP file contains drawings files in DWG and PDF formats. The ZIP file may be obtained on purchase of the Standard in any format. The technical drawings materials in the accompanying product shall only be used, reproduced or modified by an authorised user in a way that meets the requirements of this Standard. They shall not be used for any other purposes.

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.

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Australian Standard®

Manual of uniform traffic control devices

Part 2: Traffic control devices for general use

Section 1 Scope and general

1.1 Scope

This document specifies requirements for regulatory and warning signs, pavement markings and other devices for general use on roads, including expressway type roads, and sets out the way they are applied at intersections and interchanges, between intersections, and at a number of specific situations including substandard horizontal and vertical curves, approaches to structures and obstructions, changes in pavement width, climbing and overtaking lanes, steep grades and water crossings.

1.2 Application

This document deals with regulatory and warning signs, markings and devices for general use. Apart from specific exceptions in the text, this document applies to all roads.

1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

AS 1163, *Cold-formed structural steel hollow sections*

AS 1742.3, *Manual of uniform traffic control devices, Part 3: Traffic control devices for works on roads*

AS 1742.4, *Manual of uniform traffic control devices, Part 4: Speed controls*

AS 1742.7, *Manual of uniform traffic control devices, Part 7: Railway crossings*

AS 1742.9, *Manual of uniform traffic control devices, Part 9: Bicycle facilities*

AS 1742.10, *Manual of uniform traffic control devices, Part 10: Pedestrian control and protection*

AS 1742.12, *Manual of uniform traffic control devices, Part 12: Bus, transit, tram and truck lanes*

AS 1743, *Road signs — Specifications*

AS 1744, *Standard alphabets for road signs*

AS 2700, *Colour Standards for general purposes*

AS 4049 (series), *Paints and related materials — Pavement marking materials*

AS/NZS 1158.1.1, *Lighting for roads and public spaces, Part 1.1: Vehicular traffic (Category V) lighting— Performance and design requirements*

AS/NZS 1906 (series), *Retroreflective materials and devices for road traffic control purposes*

AS/NZS 2009, *Glass beads for pavement-marking materials*

AS/NZS 3845.1, *Roadside safety systems and devices — Barrier systems*