



Bicycle & Wheeled Recreational Helmet Requirements for Australia and New Zealand



Introduction

In Australia and New Zealand Bicycle helmets are required to comply with AS/NZS 2063:2020 — Helmets for use on bicycles and wheeled recreational devices. This is a mandatory standard which is enforced by the respective States & Territory Regulators and the Australian Competition & Consumer Commission (ACCC).

The following information is provided by CertMark International (CMI) as a guide for suppliers or manufacturers wishing to certify their bicycle and wheeled recreational helmet for the Australian and New Zealand markets.

Initial Testing

Your helmet(s) will need to be tested to AS/NZS 2063:2020 Helmets for use on bicycles and wheeled recreational devices. AS/NZS 2063:2020 has different testing and performance requirements to other standards. As such, helmets that may have been tested and certified for a different standard, will need to be re-tested and certified by CMI to the requirements of AS/NZS 2063:2020. This standard specifies the mandatory testing requirements to ensure bicycle and wheeled recreational helmets meet the minimum requirements for the following:

- Section 2 - Design & Construction,
- Section 3 & 4 - Testing in accordance with Table 1,
- Section 5 – Marking,
- Section 6 – Instructions for Use & Care

Testing is to be undertaken at a laboratory accredited to test to AS/NZS 2063:2020. If you are looking for a laboratory in Australia, CMI can recommend this testing at VicLab Pty Ltd:



VicLab Pty Ltd, 5/383 Dorset Road, Boronia, 3155, Victoria, Australia

Ph; + 61 3 9761 0766 Fax; +61 3 9761 0477 Email; viclab@bigpond.com Web : www.viclab.com.au

Ongoing Batch Testing

Your helmet will also need to undertake ongoing batch testing for specific tests within AS/NZS 2063:2020 Clause A.3 as identified below. This batch testing can be conducted by the manufacturer if they have the testing facilities and capabilities approved by CMI.

- Impact Energy Attenuation, Clause 4.4;
- Load Distribution, Clause 4.5;
- Strength of Retention System, Clause 4.6;
- Marking, Section 5;
- Instructions for Use and Care, Section 7.

Design

In order to comply with the requirements for certification in Australia or New Zealand your bicycle and wheeled recreational helmet must have the following protective system components:

- A means of absorbing impact energy;
- A means of distributing load;
- A retention system.

All components of the helmet must be permanently attached.

Note, Removable comfort pads are not considered to be part of the protective system.

Retention systems

Your helmet retention system must meet the following design criteria:

- It includes a retaining strap to be worn under the lower jaw.
- Any part of the retaining strap that when properly fastened contacts the throat on the underside of the wearer's jaw shall not be less than 15 mm wide.
- The strap is adjustable to produce tension on straps between all fixing points when the retaining strap is properly fastened.
- Meets the requirements of Clause 4.3 and 4.6.

Projections

The helmet must not have any external rigid projections greater than 5 mm in height, except for ventilation holes and associated depressions and no internal projections or irregularities likely to cause injury to the wearer in case of an accident.

Materials

It is the responsibility of the manufacture to ensure that all materials incorporated into the helmet are fit for purpose. As a guide it is expected that all materials should remain:

- stable under the influence of ageing
- durable under normal use
- durable when exposed to sunlight, extreme temperatures and rain.

Ventilation

The helmet is to also incorporate features designed to transfer heat from the head.

Performance

Bicycle and wheeled recreational helmets need to comply with the following performance requirements:

- the helmet should not move on the head during normal use, resulting in obscured vision
- the helmet should significantly reduce force to the cyclist's head upon impact
- the helmet should distribute the force of an impact
- the straps which hold a helmet on a cyclist's head must not stretch sufficiently to let the helmet come off in an accident
- if a peak is fitted to the helmet, it must also meet the testing requirements.

Helmet Markings

Each helmet must be permanently and legibly marked with specific requirements of AS/NZS 2063:2020 and also that of CMI.

These markings are to be accessible without removal of the comfort padding or any permanent part of the helmet.

Packaging Markings

The packaging for the helmet is also to be clearly marked to the requirements of AS/NZS 2063:2020 and that of CMI.

Instructions for safe use and care

Each helmet must be accompanied by a brochure or label that includes specific information as required by AS/NZS 2063:2020 and that of CMI.

For further information please contact CMI at office@certmark.org