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The following are represented on Committee CS-076:
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Australian Competition and Consumer Commission
AUSTROADS
CAMS (Confederation of Aust. Motor Sports)
Centre for Automotive Safety Research
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Australian/New Zealand Standard

Protective helmets for vehicle users

Originated in Australia as AS E33—1959.
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Reissued incorporating Amendment No. 2 (May 2009).
Reissued incorporating Amendment No. 3 (December 2011).
Reissued incorporating Amendment No. 4 (December 2014).

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PREFACE


This Standard incorporates Amendment No. 1 (September 2007), Amendment No. 2 (May 2009), Amendment No. 3 (December 2011) and Amendment No. 4 (December 2014). The changes required by the amendments are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The Committee has made a number of significant changes in this edition.

The principal changes include the following:

(a) Removal of the requirement for a shell with a hard outer surface (Clause 5.1).
(b) Modification of the requirements for internal projections (Clause 5.3).
(c) Addition of a requirement for ventilation (Clause 5.7).
(d) Increase in the minimum number of helmets to be supplied for testing from four to six (Clause 6.1).
(e) Addition to the test requirements providing a test sequence (Clause 7.1).
(f) Addition of a dynamic test for helmet stability (Clause 7.3).
(g) Specification of minimum letter sizes for marking and instructions for use and care (Clauses 8 and 9).
(h) Revision of the marking requirements regarding a helmet which experiences a severe blow (Clause 8(f)(v)).
(i) Addition to the marking requirements that visors attached to the helmet meet the requirements of AS 1609 (Clause 8(f)(vi)).
(j) Addition to the instructions for use and care requirements.
(k) That visors attached to the helmet meet the requirements of AS 1609.
(l) That the suitability of communications devices be specified (Clause 9(e)).
(m) Revision and amplification of the warning requirements with regard to painting and solvents (Clause 9).
(n) Lowering of the test line following from the revision of AS 2512.1.

The Committee is considering the addition of requirements for an oblique impact test for external projections and tests for chin guards.

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.
FOREWORD

The primary purpose of this Standard is to provide a specification for protective helmets for motor cyclists and users of other motor vehicles. The Standard also provides a basis for helmets used in motor sports where speed is a determining factor. Helmets designed specially for motor sports may include features, including extra strength, which are not mandatory in this Standard but which are desirable for certain activities. It is not expected that these features will conflict with the requirements of this Standard. Extra features are likely to increase the mass or bulk of the helmet, and the Committee considers that this Standard should not impose these disadvantages at this time.
1 SCOPE
This Standard specifies requirements for protective headgear for vehicle users, designed to mitigate the adverse effect of a blow to the head. The Standard is written with particular reference to motor cyclists, but is also applicable to users of other types of motor vehicles. Marking requirements and instructions for use and care are also included.

2 OBJECTIVE
The objective of this Standard is to provide motor cyclists and racing car drivers with helmets that provide protection against, and minimize the severity of, head injury from hazards associated with motor cycle riding or motor vehicle racing.

3 REFERENCED DOCUMENTS
The following documents are referred to in this Standard:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS 1609</td>
<td>Eye protectors for motor cyclists and racing car drivers</td>
</tr>
<tr>
<td>AS/NZS 2512</td>
<td>Methods of testing protective helmets</td>
</tr>
<tr>
<td>AS/NZS 2512.1</td>
<td>Method 1: Definitions and headforms</td>
</tr>
<tr>
<td>AS/NZS 2512.2</td>
<td>Method 2: General requirements for the conditioning and preparation of test specimens and laboratory conditions</td>
</tr>
<tr>
<td>AS/NZS 2512.3.1</td>
<td>Method 3.1: Determination of impact energy attenuation—Helmet drop test</td>
</tr>
<tr>
<td>AS/NZS 2512.4</td>
<td>Method 4: Determination of penetration resistance</td>
</tr>
<tr>
<td>AS/NZS 2512.5.1</td>
<td>Method 5.1: Determination of strength of retention system—Static strength</td>
</tr>
<tr>
<td>AS/NZS 2512.6</td>
<td>Method 6: Measurement of horizontal peripheral vision clearance</td>
</tr>
<tr>
<td>AS/NZS 2512.7.2</td>
<td>Method 7.2: Determination of stability of protective helmets—Dynamic stability</td>
</tr>
<tr>
<td>BS 6658</td>
<td>Protective helmets for vehicle users</td>
</tr>
</tbody>
</table>

4 DEFINITIONS
For the purpose of this Standard, the definitions given in AS/NZS 2512.1 shall apply.

5 CONSTRUCTION
5.1 General
The helmet shall be capable of—
(a) resisting penetration;
(b) absorbing impact energy; and
(c) being retained on the head.
Components of the helmet and any devices attached to the helmet shall be such that they are unlikely to cause injury to the wearer in the event of an accident.
AS/NZS 1698:2006 Protective helmets for vehicle users

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