

# Australian/New Zealand Standard™

## Methods of testing protective helmets

### Method 7.2: Determination of stability of protective helmets—Dynamic stability

AS/NZS 2512.7.2:2009

#### PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-097, Testing of Helmets and Visors, to supersede (in part) AS/NZS 2512.7.2:1998, *Methods of testing protective helmets*, Method 7.2: *Determination of stability of protective helmets—Dynamic stability*.

This test method was devised to determine the likelihood of effective retention in an accident. An important variable in this method is the fit of the helmet on the headform. Because an objective method of measuring fit has not yet been developed, great care is needed to ensure that the helmet chosen for the test is the one which, when seated on the headform and correctly adjusted, most closely resembles an acceptable fit on a person's head.

This test method may also provide a suitable means for testing the dynamic strength of retention systems, depending on the drop height specified in the product Standard.

#### METHOD

##### 1 SCOPE

This Standard sets out a method for determining the stability of a protective helmet on a test headform when subjected to a dynamic force.

##### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

###### AS/NZS

- |        |   |
|--------|---|
| 2512   | Methods of testing protective helmets   |
| 2512.1 | Part 1: Definitions and headforms   |
| 2512.2 | Method 2: General requirements for the conditioning and preparation of test specimens and laboratory conditions |

##### 3 DEFINITIONS

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