Australian/New Zealand Standard™

Methods of testing protective helmets

Method 7.1: Determination of stability of protective helmets—Static stability

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-097, Testing of Helmets and Visors, to supersede AS/NZS 2512.7.1:1998, *Methods of testing protective helmets*, Method 7.1: *Determination of stability of protective helmets—Static stability*.

This Standard is the first of two methods on the determination of stability of protective helmets.

Method 7.2: *Determination of stability of protective helmets—Dynamic stability*, was developed in order to determine the likelihood of effective retention in an accident, as this method is not intended for that purpose.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

The Standard is republished, without technical alteration.

FOREWORD

This test method was devised to detect those helmets which, even when correctly fitted, move on the head during normal use to the extent that they might endanger a user by obscuring vision or exposing a forehead to impact. The test is not intended to determine the likelihood of effective retention in an accident, in which case AS/NZS 2512.7.2, *Methods of testing protective helmets*, Method 7.2: *Determination of stability of protective helmets—Dynamic Stability*, should be used.

The most 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 must be taken 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.

The headforms specified in this test vary from those specified in the other methods in this series because the test requires the use of a headform with a modified chin.

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