Occupational protective helmets— Selection, care and use This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF/18, Occupational Protective Helmets together with SF/42, Helmets for Fire Fighters. It was approved on behalf of the Council of Standards Australia on 17 April 1998 and on behalf of the Council of Standards New Zealand on 30 March 1998. It was published on 5 June 1998.

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Australian/New Zealand Standard™

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF/18, Occupational Protective Helmets together with SF/42, Helmets for Fire Fighters as a revision of AS 1800—1981, *The selection, care and use of industrial safety helmets*. It takes into account changes in AS/NZS 1801, mostly related to the specification of three different types of occupational protective helmets as well as advances in knowledge of helmet care and use.

A new Appendix has been included to give prospective purchasers guidance as to what additional or optional design and performance requirements are available when ordering a specific type of occupational protective helmet.

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.

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Australian/New Zealand Standard Occupational protective helmets—Selection, care and use

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out recommended practices for the selection, use and maintenance of occupational protective helmets meeting the requirements of AS/NZS 1801 for head protection in building work, construction, general industry, underground working, mining, quarrying, forestry, bushfire fighting, high temperature workplaces and other occupations with similar hazards.

This Standard does not cover helmets for motor vehicle users, pedal cyclists, horse riders and structural firefighters. Requirements for such helmets are given in AS 1698, AS/NZS 2063, AS 2063.1 and 2063.3, and AS 4067, respectively.

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

AS

- 1698 Protective helmets for vehicle users
- Lightweight protective helmets (for use in pedal cycling, horse riding and other activities requiring similar protection)
- 2063.1 Part 1: Basic performance requirements
- 2063.3 Part 3: Helmets for horse riders
- 4067 Firefighters' helmets—Specification

AS/NZS

- Eye protectors for industrial applications
- 1716 Respiratory protective devices
- 1801 Occupational protective helmets
- 2063 Pedal cycle helmets
- **1.3 DEFINITIONS** For the purpose of this Standard, the definitions below apply.
- **1.3.1 Brim**—a rim surrounding the shell which may form a gutter.
- **1.3.2** Harness—the complete assembly by means of which the helmet is maintained in position on the head and which may provide a means of absorbing energy. It may consist of the following:
- (a) *Headband*—part of the harness which surrounds the head in the area of the base of the skull, including the sweatband.
- (b) Cradle—the fixed or adjustable assembly of the parts of the harness in contact with the head, excluding the headband and nape strap.
- (c) Cushioning—material to improve wearer comfort but which is not intended to perform the function of protective padding.
- (d) Nape strap—a strap which, when in use, is located below the 'basal plane' (see Figure 1.1), and aids helmet retention.



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