



Personal protective equipment

Part 0: Eye and face protection — Vocabulary



AS 1337.0:2020

This Australian Standard® was prepared by SF-006, Eye and Face Protection. It was approved on behalf of the Council of Standards Australia on 18 May 2020.

This Standard was published on 5 June 2020.

The following are represented on Committee SF-006:

- Association of Accredited Certification Bodies
- Australasian Fire and Emergency Service Authorities Council
- Australian and New Zealand Society of Occupational Medicine
- Australian Chamber of Commerce and Industry
- Australian Competition and Consumer Commission
- Australian Dispensing Opticians Association
- Australian Industry Group
- Australian Radiation Protection and Nuclear Safety Agency
- Consumers' Federation of Australia
- Department of Defence (Australian Government)
- Human Factors and Ergonomics Society of Australia
- Optical Distributors and Manufacturers Association of Australia
- Optometry Australia
- Queensland University of Technology
- Royal Australian and New Zealand College of Ophthalmologists
- University of Melbourne
- University of New South Wales
- Weld Australia

This Standard was issued in draft form for comment as DR AS/NZS 1337.0:2020.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au



Personal protective equipment

Part 0: Eye and face protection — Vocabulary

Originated as AS/NZS 1337.0:2014.
Revised and redesignated as AS 1337.0:2020.

COPYRIGHT

© 2020 — All rights reserved
© Standards Australia Limited 2020

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth).

Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee SF-006, Eye and Face Protection, to supersede AS/NZS 1337.0:2014, *Personal eye protection, Part 0: Eye and face protection — Vocabulary (ISO 4007:2012, MOD)*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to define and explain the principal terms used in the field of personal eye and face protection.

This Standard is identical with, and has been reproduced from, ISO 4007:2018, *Personal protective equipment — Eye and face protection — Vocabulary*.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

Contents

Preface	ii
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 Risks and hazards.....	1
3.2 Optical radiation.....	2
3.3 Sources of non-ionizing radiation.....	4
3.4 Radiometry and photometry.....	7
3.5 General terms.....	13
3.5.1 Types and components of eye and face protectors.....	13
3.5.2 Geometrical properties of eye and face protection.....	17
3.5.3 Terms relating to the non-lens part of protectors.....	19
3.5.4 Welding protectors.....	20
3.5.5 Secondary lenses for welding protectors.....	21
3.5.6 Mesh protectors.....	21
3.5.7 Protection from short circuit electric arc.....	22
3.6 Optical materials.....	23
3.7 Optical properties of components and lenses.....	24
3.8 Optical properties of lenses, excluding transmittance.....	27
3.9 Wearer characteristics.....	31
3.10 Filters, absorption, transmission and reflection.....	32
3.10.1 General terms.....	32
3.10.2 Polarized radiation and polarizing filters.....	48
3.10.3 Welding filters.....	50
3.11 Test equipment.....	53
4 Glossary of abbreviations and symbols	54
Annex A (informative) Spectral weighting functions and spectral distributions	57
Bibliography	67
Index	69

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-