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Third edition
2018-10

Personal protective equipment — Eye and face protection — Vocabulary

*Équipement de protection individuelle — Protection des yeux et du
visage — Vocabulaire*



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Contents

	Page
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 <i>face</i> protection.....	17
3.5.3 Terms relating to the non- <i>lens</i> part of <i>protectors</i>	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 <i>lenses</i>	24
3.8 Optical properties of <i>lenses</i> , excluding <i>transmittance</i>	27
3.9 Wearer characteristics.....	31
3.10 Filters, absorption, transmission and reflection.....	32
3.10.1 General terms.....	32
3.10.2 <i>Polarized radiation</i> and <i>polarizing filters</i>	48
3.10.3 Welding filters.....	50
3.11 Test equipment.....	53
4 Glossary of abbreviations and symbols	55
Annex A (informative) Spectral weighting functions and spectral distributions	57
Bibliography	67
Index	69

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 6, *Eye and face protection*.

This third edition cancels and replaces the second edition (ISO 4007:2012), which has been technically revised. This third edition builds on the second edition, which was partly based on EN 165.

The main changes compared to the previous edition are as follows.

- The word “*ocular*” has been changed to “*lens*” to describe the transparent material through which the wearer looked.
- Some terms have been moved and renumbered to more suitable positions, e.g. some of the terms that were in the “properties of materials” subclause are now in the “transmittance” subclause.
- 52 new terms have been added, over 100 terms or definitions have been modified and sources have been updated. Greater information about the source of definitions is given where these have been copied from other standards.
- The following terms have been deleted: *giant-pulsed laser*, *haze*, *He-Ne laser*, *optical class*, *protective ocular*, *radiation power*, *untinted ocular*, *very-high-pressure (intensity) mercury vapour lamp*.
- A term relating to the transmittance between 380 nm and 400 nm has been added. Although the definition for UV-A continues to take the wavelength limits of 315 nm to 380 nm, many of the terms and definitions relating to UV-A allow the upper limit to be either 380 nm or 400 nm, depending upon the application.
- Terms relating to “*mesh protectors*” and “*additional lenses*” have been added for use in the appropriate standards.
- hyphens have been removed from many terms relative to the second edition, e.g. in “*eye-protector*” and “*dark-state*”, but have been kept in “*as-worn*”, “*blue-light*” and “*gradient-tinted*”, and in those cases where they would generally be used in English.

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