



مؤسسة الإمارات للمواصفات والمقاييس
Emirates Authority For Standardization & Metrology



United Arab Emirates regulation for Personal protective equipment

Initial Draft

United Arab Emirates regulation for Personal protective equipment

Article (1) Definitions

The following definitions shall apply for the implementation of this regulation.

- Country: United Arab Emirates
- Authority: Emirates Authority for Standardization and Metrology (ESMA)
- Council: Board of ESMA
- Director General: Director General (DG) of ESMA
- Concerned Authorities: All those federal and/or local governmental authorities of the country who have been authorized to implement the requirements of this scheme.
- Standard: A standard is a document that provides requirements, specifications, guidelines or characteristics that can be used consistently to ensure that materials, products, processes and services are fit for their purpose.
- Accredited Standard: A standard that is adopted by ESMA as a UAE standard.
- Mandatory UAE Standard (Technical Regulation): An approved UAE standard which shall be mandatorily applied as per the resolution issued by the Cabinet.
- Conformity Certificate: A certificate issued by ESMA to the given product ensuring that the product complies with the requirements of this regulation.

- Mark: Any illustration or symbol or stamp or engraving or picture appearing on the product that indicates that the given product complies with requirements of the standard issued by ESMA or or international standards body in terms of quality.
- Emirates Quality Mark: A quality mark granted by ESMA indicating that the given product complies with the requirements stated in the accredited standard.
- Supplier:
 - If the Product manufacturer is a resident of the country: Any person who provides his identity as a maker of the product by designating the product on his name or any relevant trade description, as well as any person who modifies the product.
 - If the Product Manufacturer is not a resident of the country: Manufacturer's representative to the country or the importer in the absence of a representative of the country.
 - Each professional of the supply chain, and who may have a role that has an impact on the safety features of the product.
- Supply Chain: All stages that the product goes through after its production down to the consumer including import, storage operations, wholesale and retail, installment, delivery, and any other relevant processes.
- Consumer: Any person obtaining a commodity or service, paid or unpaid, to satisfy his/her own needs or another person's needs.
- ECAS: The system that verifies the fulfillment of the approved standards, either directly or indirectly like inspection, testing, examination, calibration or granting the products conformity certificates, and which is applied by the authority according to the general regulation of Emirates Conformity Assessment Scheme (ECAS) that has been granted by Board Directors of the Authority by decision No. (8) For the year 2009.

- Personal protective equipment (PPE) : any equipment intended to be worn or held by a person for protection against one or more risks for his or her health or safety that is placed on the market separately or combined with personal non-protective equipment;

Article (2)

Scope

1. This Regulation shall apply to personal protective equipment (PPE) to ensure the health and safety protection of users.
2. This Regulation shall not apply to the below mentioned PPE:
 - (a) PPE Products for use by the armed forces or for the maintenance of law and order;
 - (b) PPE Products intended to be used for self-defiance;
 - (c) PPE Products intended for private use to protect against atmospheric conditions that are not of an extreme nature;
 - (d) PPE Products for use on seagoing vessels or aircraft.

Article (3)

Classification

The classification of the PPEs shall be in accordance with the International Standards (see Annex 1).

Article (4)

Responsibilities of the Supplier

The supplier shall provide the following at any stage of supply chain:

1. The instruction manual and / or operation manual, in accordance with Article (5) of this scheme, shall be supplied with the product(s).

2. The PPE shall comply with the requirements stated in the standards mentioned in Annex 1 of this regulation.
3. The supplier shall extend full cooperation to the staff of ESMA and the concerned authorities and shall provide the required documents including the test reports, when required.

Article (5)

Instruction and Operation Manual

1. The product(s) shall be supplied with instruction and / or operation manual(s) which are in accordance with the International Standards (see Annex 1).
2. The instruction and / or operation manual(s) shall provide the general safety requirements for the use.
3. The instruction and/or operation manual(s) shall be in both Arabic and English languages, and the instructions shall be legible and shall not be removed easily.
4. The contents of the instruction and/ or operation manuals shall not contradict with the Islamic ethics and local traditions.

Article (6)

Conformity Assessment Requirements.

1. All PPE products shall register under ECAS program under conformity type approval module (B).
2. In order to procure the conformity certificate, the supplier shall observe the following:
 - a. To use only those forms which are approved by ESMA.
 - b. To fulfill all the requirements of this regulation and the standards mentioned in (Annex 1).
 - c. To make sure that products continuously complying with the requirements defined in this Regulation.
3. ESMA shall approve any product that bears the Emirates Quality Mark or any Mark that is approved by ESMA.

Article (7)
Market surveillance

1. ESMA and the concerned authorities have the right to withdraw sample(s) from the market in order to check their compliance to the requirements of this regulation .
2. In case of non-conformities, if the source of non-conformity cannot be traced then the owner of the shop, from which the sample(s) is collected, will be held responsible for the non-conformity unless it is proved otherwise within the stipulated time.
3. In the case of non-conformity, ESMA has the right to take appropriate measures against the non-complying product(s). Such measures include withdrawal or recall of the product or / and cancellation of conformity certificate.

Article (8)
Penalties and Violations

1. In case of any violation(s) to any of the requirements of this regulation, ESMA or the concerned authority shall take appropriate action(s), to resolve the issue and remove its traces from market, which include:
 1. Instructing the responsible party to withdraw the product from market with the aim of rectification or sending it back to the country of origin or destroying it within the defined period of time.
 2. Implement all the required actions to withdraw and /or recall the product(s) or any other necessary corrective actions. The violated party shall bear all the related fees.
 3. The person involved or held accountable for the violation shall be subjected to all the procedures, measures and penalties stated in the Federal Law No. (28) of 2001 for Establishing the Emirates Authority for Standardization & Metrology (ESMA) and its amendments, without prejudice to the right to impose any severer penalty under other laws.

Article (9)

Final Provisions

1. The standards mentioned in Annex 1 shall be considered as mandatory standards for the purpose of implementation of this regulation.
2. ESMA shall take appropriate measures to implement this scheme, and grant authorization to the concerned authorities to control the PPEs in the markets.
3. ESMA is responsible for receiving, registering and studying the application from the suppliers. ESMA has also right to grant authorization to concerned authorities for receiving, registering and studying the application from the suppliers.
4. The concerned authority of individual emirate is responsible for the implementation of this scheme. This includes inspection, testing and controlling to comply with the requirement of standards mentioned in Annex 1.
5. The Board of Directors has the right to adopt any other standard(s) which are required to implement this regulation.
6. The annex attached to this document shall be considered as a part of this regulation, and the Board of Directors has the right to amend the Annex, when required.
7. This regulation does not prevent the staff of the concerned authorities to conduct tests stated in other laws or regulations.
8. All the stakeholders, related to this scheme, shall extend full cooperation and provide the required information to implement this regulation.
9. Any issue that cannot be resolved by this regulation shall be referred to the Director General for the appropriate decision in the best interest of the public.
10. It is prohibited to display or sell any PPEs unless it is registered with ECAS and Conformity Certificate.

Article (12)

Cancellation

The requirements stated in any other regulation or law will be cancelled if such requirement(s) contradict with the requirements of this regulation.

Article (13)

Publication and Date of Implementation

- 1 - This regulation is published in the Gazette and come in to force after six months from the date of publication and all the concerned parties shall implement it.
- 2- The supplier shall register the products with ECAS within 180 days from the date publication of this scheme in The Gazette

Initial Draft

Annex 1
Relevant Standards

	Reference standard	title
	ISO 16972:2010	Respiratory protective devices -- Terms, definitions, graphical symbols and units of measurement

ISO 16602:2007	Protective clothing for protection against chemicals -- Classification, labeling and performance requirements
ISO 16900-2:2009	Respiratory protective devices -- Methods of test and test equipment -- Part 2: Determination of breathing resistance
ISO 16900-3:2012	Respiratory protective devices -- Methods of test and test equipment -- Part 3: Determination of particle filter penetration
ISO 16900-1:2014	Respiratory protective devices -- Methods of test and test equipment -- Part 1: Determination of inward leakage
ISO 16602:2007	Protective clothing for protection against chemicals -- Classification, labelling and performance requirements
ISO 16900-4:2011	Respiratory protective devices -- Methods of test and test equipment -- Part 4: Determination of gas filter capacity and migration, desorption and carbon monoxide dynamic testing
ISO 17420-3:2012	Respiratory protective devices -- Performance requirements -- Part 3: Thread connection
ISO 16900-11:2013	Respiratory protective devices -- Methods of test and test equipment -- Part 11: Determination of field of vision
ISO 4007:2012	Personal protective equipment -- Eye and face protection -- Vocabulary
ISO 29661:2012	Reference radiation fields for radiation protection -- Definitions and fundamental concepts
ISO 16024:2005	Personal protective equipment for protection against falls from a height -- Flexible horizontal lifeline systems
ISO/TR 21808:2009	Guidance on the selection, use, care and maintenance of personal protective equipment (PPE) designed to provide protection for firefighters

ISO 10333-4:2002	Personal fall-arrest systems -- Part 4: Vertical rails and vertical lifelines incorporating a sliding-type fall arrester
ISO 9094-1:2003	Small craft -- Fire protection -- Part 1: Craft with a hull length of up to and including 15 m
ISO 16073:2011	Wildland firefighting personal protective equipment -- Requirements and test methods
ISO 11611:2007	Protective clothing for use in welding and allied processes
ISO 29661:2012	Reference radiation fields for radiation protection -- Definitions and fundamental concepts
ISO 14567:1999	Personal protective equipment for protection against falls from a height -- Single-point anchor devices
ISO 22846-1:2003	Personal equipment for protection against falls -- Rope access systems -- Part 1: Fundamental principles for a system of work
ISO 22159:2007	Personal equipment for protection against falls -- Descending devices
ISO 22846-2:2012	Personal equipment for protection against falls -- Rope access systems -- Part 2: Code of practice
ISO 4007:2012	Personal protective equipment -- Eye and face protection -- Vocabulary
ISO 15001:2010	Anesthetic and respiratory equipment -- Compatibility with oxygen
ISO 11612:2008	Protective clothing -- Clothing to protect against heat and flame
ISO 23328-2:2002	Breathing system filters for anesthetic and respiratory use -- Part 2: Non-filtration aspects
ISO 23328-1:2003	Breathing system filters for anesthetics and respiratory use -- Part 1: Salt test method to assess filtration performance

	ISO 8185:2007	Respiratory tract humidifiers for medical use -- Particular requirements for respiratory humidification systems
	ISO 13982-1:2004	Protective clothing for use against solid particulates -- Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)
	ISO/TS 16976-4:2012	Respiratory protective devices -- Human factors -- Part 4: Work of breathing and breathing resistance: Physiologically based limits
	ISO 9360-1:2000	Anesthetic and respiratory equipment -- Heat and moisture exchangers (HMEs) for humidifying respired gases in humans -- Part 1: HMEs for use with minimum tidal volumes of 250 ml
	ISO 4135:2001	Anesthetic and respiratory equipment -- Vocabulary
	ISO 5356-1:2004	Anesthetic and respiratory equipment -- Conical connectors -- Part 1: Cones and sockets
	ISO 9360-2:2001	Anaesthetic and respiratory equipment -- Heat and moisture exchangers (HMEs) for humidifying respired gases in humans -- Part 2: HMEs for use with tracheostomized patients having minimum tidal volumes of 250 ml
	ISO 5366-1:2000	Anaesthetic and respiratory equipment -- Tracheostomy tubes -- Part 1: Tubes and connectors for use in adults
	ISO 5366-3:2001	Anaesthetic and respiratory equipment -- Tracheostomy tubes -- Part 3: Paediatric tracheostomy tubes
	ISO 18778:2005	Respiratory equipment -- Infant monitors -- Particular requirements
	ISO 16900-2:2009	Respiratory protective devices -- Methods of test and test equipment -- Part 2: Determination of

		breathing resistance
	ISO 16900-3:2012	Respiratory protective devices -- Methods of test and test equipment -- Part 3: Determination of particle filter penetration
	ISO 16900-4:2011	Respiratory protective devices -- Methods of test and test equipment -- Part 4: Determination of gas filter capacity and migration, desorption and carbon monoxide dynamic testing
	ISO 23747:2007	Anaesthetic and respiratory equipment -- Peak expiratory flow meters for the assessment of pulmonary function in spontaneously breathing humans
	ISO 26782:2009	Anaesthetic and respiratory equipment -- Spirometers intended for the measurement of time forced expired volumes in humans
	ISO 26825:2008	Anaesthetic and respiratory equipment -- User-applied labels for syringes containing drugs used during anaesthesia -- Colours, design and performance
	ISO 7376:2009	Anaesthetic and respiratory equipment -- Laryngoscopes for tracheal intubation
	ISO 11712:2009	Anaesthetic and respiratory equipment -- Supralaryngeal airways and connectors
	ISO 5364:2008	Anaesthetic and respiratory equipment -- Oropharyngeal airways
	ISO 80601-2-55:2011	Medical electrical equipment -- Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors
	ISO 5361:2012	Anaesthetic and respiratory equipment -- Tracheal tubes and connectors
	ISO 5356-2:2012	Anaesthetic and respiratory equipment -- Conical connectors -- Part 2: Screw-threaded weight-bearing connectors

ISO 16900-11:2013	Respiratory protective devices -- Methods of test and test equipment -- Part 11: Determination of field of vision
ISO 27427:2013	Anaesthetic and respiratory equipment -- Nebulizing systems and components
ISO 18082:2014	Anaesthetic and respiratory equipment -- Dimensions of non-interchangeable screw-threaded (NIST) low-pressure connectors for medical gases
ISO 5359:2014	Anaesthetic and respiratory equipment -- Low-pressure hose assemblies for use with medical gases
ISO 5367:2014	Anaesthetic and respiratory equipment -- Breathing sets and connectors
ISO 16900-1:2014	Respiratory protective devices -- Methods of test and test equipment -- Part 1: Determination of inward leakage
ISO 9151:1995	Protective clothing against heat and flame -- Determination of heat transmission on exposure to flame
ISO 6942:2002	Protective clothing -- Protection against heat and fire -- Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat
ISO 15384:2003	Protective clothing for firefighters -- Laboratory test methods and performance requirements for wildland firefighting clothing
ISO 16603:2004	Clothing for protection against contact with blood and body fluids -- Determination of the resistance of protective clothing materials to penetration by blood and body fluids -- Test method using synthetic blood

ISO 16604:2004	Clothing for protection against contact with blood and body fluids -- Determination of resistance of protective clothing materials to penetration by blood-borne pathogens -- Test method using Phi-X 174 bacteriophage
ISO 11612:2008	Protective clothing -- Clothing to protect against heat and flame
ISO 13999-3:2002	Protective clothing -- Gloves and arm guards protecting against cuts and stabs by hand knives -- Part 3: Impact cut test for fabric, leather and other materials
ISO/TR 11610:2004	Protective clothing -- Vocabulary
ISO 22608:2004	Protective clothing -- Protection against liquid chemicals -- Measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing materials
ISO 13982-2:2004	Protective clothing for use against solid particulates -- Part 2: Test method of determination of inward leakage of aerosols of fine particles into suits
ISO 12127-2:2007	Clothing for protection against heat and flame -- Determination of contact heat transmission through protective clothing or constituent materials -- Part 2: Test method using contact heat produced by dropping small cylinders
ISO 14116:2008	Protective clothing -- Protection against heat and flame -- Limited flame spread materials, material assemblies and clothing
ISO 6530:2005	Protective clothing -- Protection against liquid chemicals -- Test method for resistance of materials to penetration by liquids
ISO 13994:2005	Clothing for protection against liquid chemicals -- Determination of the resistance of protective clothing materials to penetration by liquids under

		pressure
	ISO 13982-1:2004	Protective clothing for use against solid particulates -- Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)
	ISO 13506:2008	Protective clothing against heat and flame -- Test method for complete garments -- Prediction of burn injury using an instrumented manikin
	ISO 11611:2007	Protective clothing for use in welding and allied processes
	ISO 17491-4:2008	Protective clothing -- Test methods for clothing providing protection against chemicals -- Part 4: Determination of resistance to penetration by a spray of liquid (spray test)
	ISO 17491-3:2008	Protective clothing -- Test methods for clothing providing protection against chemicals -- Part 3: Determination of resistance to penetration by a jet of liquid (jet test)
	ISO 12127-1:2007	Clothing for protection against heat and flame -- Determination of contact heat transmission through protective clothing or constituent materials -- Part 1: Test method using contact heat produced by heating cylinder
	ISO 16602:2007	Protective clothing for protection against chemicals -- Classification, labelling and performance requirements
	ISO 22488:2011	Ships and marine technology -- Shipboard fire-fighters' outfits (protective clothing, gloves, boots and helmet)
	ISO 27065:2011	Protective clothing -- Performance requirements for protective clothing worn by operators applying liquid pesticides
	ISO 6529:2013	Protective clothing -- Protection against chemicals -- Determination of resistance of protective clothing materials to permeation by liquids and gases

ISO 13688:2013	Protective clothing -- General requirements
ISO 8194:1987	Radiation protection -- Clothing for protection against radioactive contamination -- Design, selection, testing and use
ISO 9920:2007	Ergonomics of the thermal environment -- Estimation of thermal insulation and water vapour resistance of a clothing ensemble
ISO 30023:2010	Textiles -- Qualification symbols for labelling workwear to be industrially laundered
ISO 20471:2013	High visibility clothing -- Test methods and requirements
ISO 9150:1988	Protective clothing -- Determination of behaviour of materials on impact of small splashes of molten metal
ISO 11393-1:1998	Protective clothing for users of hand-held chain-saws -- Part 1: Test rig driven by a flywheel for testing resistance to cutting by a chain-saw
ISO 11613:1999	Protective clothing for firefighters -- Laboratory test methods and performance requirements
ISO 13996:1999	Protective clothing -- Mechanical properties -- Determination of resistance to puncture
ISO 13997:1999	Protective clothing -- Mechanical properties -- Determination of resistance to cutting by sharp objects
ISO 13995:2000	Protective clothing -- Mechanical properties -- Test method for the determination of the resistance to puncture and dynamic tearing of materials

	ISO 14460:1999	Protective clothing for automobile racing drivers -- Protection against heat and flame -- Performance requirements and test methods
	ISO 13999-1:1999	Protective clothing -- Gloves and arm guards protecting against cuts and stabs by hand knives -- Part 1: Chain-mail gloves and arm guards
	ISO 14877:2002	Protective clothing for abrasive blasting operations using granular abrasives
	ISO 15025:2000	Protective clothing -- Protection against heat and flame -- Method of test for limited flame spread
	ISO 11393-5:2001	Protective clothing for users of hand-held chain-saws -- Part 5: Test methods and performance requirements for protective gaiters
	ISO 11393-4:2003	Protective clothing for users of hand-held chain-saws -- Part 4: Test methods and performance requirements for protective gloves
	ISO 11393-2:1999	Protective clothing for users of hand-held chain-saws -- Part 2: Test methods and performance requirements for leg protectors
	ISO 9185:2007	Protective clothing -- Assessment of resistance of materials to molten metal splash
	ISO 17491-2:2012	Protective clothing -- Test methods for clothing providing protection against chemicals -- Part 2: Determination of resistance to inward leakage of aerosols and gases (inward leakage test)
	ISO 17491-1:2012	Protective clothing -- Test methods for clothing providing protection against chemicals -- Part 1: Determination of resistance to outward leakage of gases (internal pressure test)

	ISO 13999-2:2003	Protective clothing -- Gloves and arm guards protecting against cuts and stabs by hand knives -- Part 2: Gloves and arm guards made of material other than chain mail
	ISO 11393-6:2007	Protective clothing for users of hand-held chain-saws -- Part 6: Test methods and performance requirements for upper body protectors
	ISO 17491-5:2013	Protective clothing -- Test methods for clothing providing protection against chemicals -- Part 5: Determination of resistance to penetration by a spray of liquid (manikin spray test)
	ISO 4869-2:1994	Acoustics -- Hearing protectors -- Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn
	ISO 4869-3:2007	Acoustics -- Hearing protectors -- Part 3: Measurement of insertion loss of ear-muff type protectors using an acoustic test fixture
	ISO 11393-3:1999	Protective clothing for users of hand-held chain-saws -- Part 3: Test methods for footwear
	ISO 9612:2009	Acoustics -- Determination of occupational noise exposure -- Engineering method
	ISO 4869-1:1990	Acoustics -- Hearing protectors -- Part 1: Subjective method for the measurement of sound attenuation
	ISO 11904-1:2002	Acoustics -- Determination of sound immission from sound sources placed close to the ear -- Part 1: Technique using a microphone in a real ear (MIRE technique)
	ISO 11904-2:2004	Acoustics -- Determination of sound immission

		from sound sources placed close to the ear -- Part 2: Technique using a manikin
	ISO/TS 4869-5:2006	Acoustics -- Hearing protectors -- Part 5: Method for estimation of noise reduction using fitting by inexperienced test subjects
	ISO 13998:2003	Protective clothing -- Aprons, trousers and vests protecting against cuts and stabs by hand knives
	ISO 15538:2001	Protective clothing for firefighters -- Laboratory test methods and performance requirements for protective clothing with a reflective outer surface
	ISO/TR 2801:2007	Clothing for protection against heat and flame -- General recommendations for selection, care and use of protective clothing
	ISO 20345:2011	Personal protective equipment -- Safety footwear
	ISO 16024:2005	Personal protective equipment for protection against falls from a height -- Flexible horizontal lifeline systems
	ISO 16073:2011	Wildland firefighting personal protective equipment -- Requirements and test methods
	ISO/TR 21808:2009	Guidance on the selection, use, care and maintenance of personal protective equipment (PPE) designed to provide protection for firefighters
	ISO 20344:2011	Personal protective equipment -- Test methods for footwear
	ISO/TR 18690:2012	Guidance for the selection, use and maintenance of safety and occupational footwear and other personal protective equipment offering foot and leg protection
	ISO 15537:2004	Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs
	ISO 15496:2004	Textiles -- Measurement of water vapour

		permeability of textiles for the purpose of quality control
	ISO 11611:2007	Protective clothing for use in welding and allied processes
	ISO 17491-4:2008	Protective clothing -- Test methods for clothing providing protection against chemicals -- Part 4: Determination of resistance to penetration by a spray of liquid (spray test)
	ISO 20877:2011	Footwear -- Test methods for whole shoe -- Thermal insulation
	ISO/TS 12901-1:2012	Nanotechnologies -- Occupational risk management applied to engineered nanomaterials -- Part 1: Principles and approaches
	ISO 11681-1:2011	Machinery for forestry -- Portable chain-saw safety requirements and testing -- Part 1: Chain-saws for forest service
	ISO 11681-2:2011	Machinery for forestry -- Portable chain-saw safety requirements and testing -- Part 2: Chain-saws for tree service
	ISO 14567:1999	Personal protective equipment for protection against falls from a height -- Single-point anchor devices
	ISO 22608:2004	Protective clothing -- Protection against liquid chemicals -- Measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing materials
	ISO 17491-3:2008	Protective clothing -- Test methods for clothing providing protection against chemicals -- Part 3: Determination of resistance to penetration by a jet of liquid (jet test)
	ISO 12311:2013	Personal protective equipment -- Test methods for sunglasses and related eyewear

ISO 20346:2014	Personal protective equipment -- Protective footwear
ISO 13287:2012	Personal protective equipment -- Footwear -- Test method for slip resistance
ISO 20347:2012	Personal protective equipment -- Occupational footwear
ISO 20349:2010	Personal protective equipment -- Footwear protecting against thermal risks and molten metal splashes as found in foundries and welding -- Requirements and test method
ISO 11393-4:2003	Protective clothing for users of hand-held chain-saws -- Part 4: Test methods and performance requirements for protective gloves
ISO 6529:2013	Protective clothing -- Protection against chemicals -- Determination of resistance of protective clothing materials to permeation by liquids and gases
ISO 15383:2001	Protective gloves for firefighters -- Laboratory test methods and performance requirements
ISO 13999-1:1999	Protective clothing -- Gloves and arm guards protecting against cuts and stabs by hand knives -- Part 1: Chain-mail gloves and arm guards
ISO 16602:2007	Protective clothing for protection against chemicals -- Classification, labelling and performance requirements
ISO 4007:2012	Personal protective equipment -- Eye and face protection -- Vocabulary

ISO 13982-1:2004	Protective clothing for use against solid particulates -- Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)
ISO 22488:2011	Ships and marine technology -- Shipboard fire-fighters' outfits (protective clothing, gloves, boots and helmet)
ISO 13999-3:2002	Protective clothing -- Gloves and arm guards protecting against cuts and stabs by hand knives -- Part 3: Impact cut test for fabric, leather and other materials
ISO 13999-2:2003	Protective clothing -- Gloves and arm guards protecting against cuts and stabs by hand knives -- Part 2: Gloves and arm guards made of material other than chain mail
ISO 3873:1977	Industrial safety helmets
ISO 13232-3:2005	Motorcycles -- Test and analysis procedures for research evaluation of rider crash protective devices fitted to motorcycles -- Part 3: Motorcyclist anthropometric impact dummy
(ISO 4869-2:1994)	Acoustics - Hearing protectors - Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn
ISO 4869-3:2007	Acoustics - Hearing protectors - Part 3: Measurement of insertion loss of ear-muff type protectors using an acoustic test fixture
ISO 6529:2001	Protective clothing - Protection against chemicals - Determination of resistance of protective clothing materials to permeation by liquids and gases
ISO 6530:2005	Protective clothing - Protection against liquid chemicals - Test method for resistance of materials to penetration by liquids
ISO 6942:2002	Protective clothing - Protection against heat and fire - Method of test: Evaluation of materials and

		material assemblies when exposed to a source of radiant heat
	ISO 9185:2007	Protective clothing - Assessment of resistance of materials to molten metal splash
	ISO 10256:2003	Head and face protection for use in ice hockey
	ISO 10819:2013	Mechanical vibration and shock - Hand-arm vibration - Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand
	ISO 10862:2009	Small craft - Quick release system for trapeze harness
	ISO 11611:2007	Protective clothing for use in welding and allied processes
	ISO 11612:2008	Protective clothing - Clothing to protect against heat and flame
	ISO 12127-2:2007	Clothing for protection against heat and flame - Determination of contact heat transmission through protective clothing or constituent materials - Part 2: Test method using contact heat produced by dropping small cylinders
	ISO 12311:2013	Personal protective equipment - Test methods for sunglasses and related eyewear
	ISO 12312-1:2013	Eye and face protection - Sunglasses and related eyewear - Part 1: Sunglasses for general use
	ISO 12401:2009	Small craft - Deck safety harness and safety line - Safety requirements and test methods
	ISO 12402-2:2006	Personal flotation devices - Part 2: Lifejackets, performance level 275 - Safety requirements
	ISO 12402-3:2006	Personal flotation devices - Part 3: Lifejackets, performance level 150 - Safety requirements
	ISO 12402-4:2006	Personal flotation devices - Part 4: Lifejackets, performance level 100 - Safety requirements
	ISO 12402-5:2006	Personal flotation devices - Part 5: Buoyancy aids (level 50) - Safety requirements
	ISO 12402-6:2006	Personal flotation devices - Part 6: Special purpose

		lifejackets and buoyancy aids - Safety requirements and additional test methods
	ISO 12402-8:2006	Personal flotation devices - Part 8: Accessories - Safety requirements and test methods
	ISO 12402-9:2006	Personal flotation devices - Part 9: Test methods
	ISO 12402-10:2006	Personal flotation devices - Part 10: Selection and application of personal flotation devices and other relevant devices
	ISO 13287:2012	Personal protective equipment - Footwear - Test method for slip resistance
	ISO 13688:2013	Protective clothing - General requirements
	ISO 13982-1:2004	Protective clothing for use against solid particulates - Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)
	ISO 13982-2:2004	Protective clothing for use against solid particulates - Part 2: Test method of determination of inward leakage of aerosols of fine particles into suits
	ISO 13995:2000	Protective clothing - Mechanical properties - Test method for the determination of the resistance to puncture and dynamic tearing of materials
	ISO 13997:1999	Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects
	ISO 13998:2003	Protective clothing - Aprons, trousers and vests protecting against cuts and stabs by hand knives
	ISO 14116:2008	Protective clothing - Protection against heat and flame - Limited flame spread materials, material assemblies and clothing
	ISO 14460:1999	Protective clothing for automobile racing drivers - Protection against heat and flame - Performance requirements and test methods
	ISO 14877:2002	Protective clothing for abrasive blasting operations using granular abrasives

	ISO 15025:2002	Protective clothing - Protection against heat and flame - Method of test for limited flame spread
	ISO 15027-1:2012	Immersion suits - Part 1: Constant wear suits, requirements including safety
	ISO 15027-2:2012	Immersion suits - Part 2: Abandonment suits, requirements including safety
	ISO 15027-3:2012	Immersion suits - Part 3: Test methods
	ISO 15831:2004	Clothing - Physiological effects - Measurement of thermal insulation by means of a thermal manikin
	ISO 17249:2013	Safety footwear with resistance to chain saw cutting
	ISO 17491-3:2008	Protective clothing - Test methods for clothing providing protection against chemicals - Part 3: Determination of resistance to penetration by a jet of liquid (jet test)
	ISO 17491-4:2008	Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test)
	ISO 20344:2011	Personal protective equipment - Test methods for footwear
	ISO 20345:2011	Personal protective equipment - Safety footwear
	ISO 20346:2004	Personal protective equipment - Protective footwear
	ISO 20347:2012	Personal protective equipment - Occupational footwear
	ISO 20349:2010	Personal protective equipment - Footwear protecting against thermal risks and molten metal splashes as found in foundries and welding - Requirements and test method
	ISO 20471:2013	High visibility clothing - Test methods and requirements

	ISO 4869-1:1990	Acoustics - Hearing protectors - Subjective method for the measurement of sound attenuation)
	IEC 60743:2001	Live working - Terminology for tools, equipment and devices
	IEC 60895:2002	Live working - Conductive clothing for use at nominal voltage up to 800 kV a.c. and \pm 600 kV d.c. (Modified)
	IEC 60903:2002	Live working - Gloves of insulating material (Modified)
	IEC 60984:1990	Sleeves of insulating material for live working (Modified)

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