

**Saudi Standards, Metrology and Quality Organization
SASO**

Technical Regulation for Personal Protective Equipment and Clothing

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Note:

Only the Arabic version of this Regulation is authentic in law and is applicable where there are differences with this translation

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Preamble

In line with the accession of the Kingdom of Saudi Arabia (KSA) to the World Trade Organization (WTO), as per the Decree No. 244 of the Council of Ministers, dated 21/09/1426 A.H., concerning the approval of documentation on the Kingdom's accession to the WTO, and the requirements by which the KSA shall adapt its relevant systems with the principles of WTO agreements, particularly, the Technical Barriers to Trade (TBT), which stipulates that no unnecessary technical requirements shall impede the flow of commodities among the member states, and that technical requirements and methods of conformity assessment shall not discriminate between products on the basis of origin, through the issuance of Technical Regulations that include the essential requirements and standardized business procedures.

In accordance with Article 3 (Clause-1), Statute of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **“SASO shall issue Saudi standards, quality systems and guidelines and conformity assessment, compatible with international standards and guidelines, that meet the requirements of the World Trade Organization (WTO) Agreement, in addition to their compliance with Islamic Sharia and serving the interests of Saudi Arabia”**;

In accordance with Article 4 (Clause-2), Statute of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **“SASO shall issue regulations for conformity assessment procedures of commodities, products, and services according to approved standards”**;

In accordance with Article 4 (Clause-14), Statute of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **“SASO shall review the laws and control regulations related to SASO's work fields, and develop them, and propose amendments thereto in line with quality and safety requirements, and refer them to competent bodies in order to review and issue them, in accordance with applicable procedures”**;

In accordance with Article 6 (Clause-1), Statute of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **“Subject to Article 4 of this Statute, SASO shall be the authority in charge of matters related to standards, conformity assessment procedures, granting the quality mark, metrology and calibration. All public and private sectors shall be adhered to the Saudi standards in all purchases”**.

Whereas the standards of the products included in a regulation shall be a basis for the conformity of such products with the essential safety requirements included in the specified regulation.

Therefore, SASO has developed this Technical Regulation.

Note: This preamble and all the annexes of this regulation shall form an integral part thereof.

Article (1): Terms and Definitions

1/1 When applying the articles of this regulation, terms and expressions hereunder – shall have the meanings indicated in front thereof, unless the context otherwise requests:

KSA: The Kingdom of Saudi Arabia.

The Board: SASO's Board of Directors.

SASO: Saudi Standards, Metrology and Quality Organization.

Regulatory Authorities: Government body/bodies with regulatory tasks in consonance according to their specializations that are responsible for the implementation and enforcement of technical regulations, whether in customs, markets, or manufactories.

Technical Regulation: A document approved by the Board that provides, the specifications of products, associated processes and production methods, including applicable administrative provisions; with which compliance is mandatory. It may include or pay attention to terms, definitions, packaging, and requirements of markings or labelling products, services, processes or production methods.

Standard: A document approved by the Board that provides, for regular and recurring use, non-mandatory rules and instructions, and specifications of products or processes and production methods. It may include, or pay attention to terms, definitions, packaging, and requirements of markings or labelling products, services, processes or production methods.

Product: Personal Protective Equipment and Clothing

Personal Protective Equipment: The equipment that is especially used by the user for the purpose of the prevention or protection from a potential risk. It is circulated in the market, whether separately or whole.

Personal Protective Clothing: any professional clothing costumed and fabricated from particular cloth with special technical characteristics designed for the purpose of protecting the user from any potential risk.

Non-ionizing Radiation: The non-ionizing radiations of the medium through which they pass, including the light and low-energy electromagnetic radiations, such as radio beams or waves, microwave radiation. These types of radiation do not carry energy to ionize the atoms of the mediums through which they pass, as the non-ionizing radiations are not usually harmful unlike the ionizing radiations.

Ionizing Radiation: A type of energy released by specific atoms and transfers as electromagnetic waves (Gamma ray or X-ray) or as particles (neutrons, Beta or Alpha). The ionizing radiations are harmful to health in case of exposure to a quantity exceeding the limits determined in the relevant standards.

Market Surveillance Authorities: government body/ bodies responsible for carrying out market surveillance operations.

Market Surveillance: Activities and measures carried out by the market surveillance authorities to verify that products meet the requirements stipulated in the relevant technical regulations, and to ensure that they do not pose a risk to health, safety, environment, or any other aspect related to the protection of the public interest.

Hazard(s): A potential source of harm.

Risk (s): A potential risk causing damage; associated with the severity of damage.

Supplier:

- A product manufacturer, in case that he is in the KSA, or the person identified as the manufacturer of the product, through linking the product to his name, or to a relevant commercial description, or any person who provides a product replacement.
- An agent, if the manufacturer is outside KSA, or an importer in the absence of an agent of the manufacturer in KSA.
- Any person in the supply chain, whose activities may affect the product characteristics.

Conformity Assessment Procedures: A process approved by the Board, which describes the procedures used directly or indirectly for the conformity assessment.

Notified Bodies: Conformity Assessment Bodies “Third Party”, approved by SASO in accordance with the Regulation of Conformity Assessment Bodies Acceptance.

Certificate of Conformity: A certificate issued by SASO or a notified body, which ensures the conformity of a product, or any batch thereof, with the requirements of relevant standards.

Supplier Declaration of Conformity: A declaration by the supplier by which it declares that a product conforms to the requirements herein and applicable legislations, without the mandatory intervention of a third party neither in the

design stage, nor in the production stage of the manufacturing process. A declaration may depend on testing the product in accordance with the relevant legislation.

Placing on Market: Launching a product for the first time in the Saudi market for which the manufacturer/supplier is responsible.

Making Available on the Market: Any supply of the product for distribution, consumption or use in KSA, in the course of a commercial activity, in return for payment or free of charge.

Withdrawal: Any procedure that aims to prevent a product in the market or in a supply chain.

Recall: Any procedure that aims to recall products made available for the end-user.

- 1/2 The terms and expressions specified herein shall have the meanings specified in the applicable laws, regulations, and decrees of SASO.

Article (2): Scope

This regulation shall be applied on the personal protective equipment and clothing, mentioned in Annex (1) attached hereto, designed for the protection of health and safety of its users from potential risks.

The application of the provisions of this technical regulation excludes personal protective equipment and clothing intended for medical or military use.

Article (3): Objectives

This regulation aims to lay out the essential requirements for products included in the scope of this Technical Regulation, and to identify the conformity assessment procedures with which the suppliers shall comply with, to ensure the conformity of these products with the essential requirements that aim to preserve health and safety of the consumer.

Article (4): Essential Requirements for Health and Safety

- 4/1 Personal protective equipment and clothing shall meet the basic health and safety requirements stipulated in this regulation, set out in Annex (2).
- 4/2 The basic requirements for health and safety shall be interpreted and construed taking into consideration the recent technical improvements and followed practices upon designing and manufacturing, in addition to the technical and economic considerations which are compatible with the highest degree of health and safety protection.

Article (5): Obligations of Supplier

The supplier shall adhere to the following requirements:

5/1 Technical Requirements

To meet the requirements of this technical regulation, the supplier shall fulfill the basic requirements of the products covered by this regulation, described in Annex (2), as follows:

- 5/1/1 Product meets the technical requirements set out in Annex (1) of this technical regulation, as the conformity of the product to the relevant standard is sufficient evidence that this product meets the relevant basic requirements, stipulated in the regulation.
- 5/1/2 Determination of the category and levels of protection of the product, as it shall be designed and manufactured to prevent potential risks, based on the relevant standards, set out in Annex (1).
- 5/1/3 Attachment of operation instructions and manuals - necessary for the safe use of equipment - with the personal protective equipment and clothing that are intended to be traded in the market.
- 5/1/4 The supplier , upon designing and manufacturing personal protective equipment and clothing, and while drafting the usage guidelines, shall take into consideration the reasonably anticipated uses, not only the intended use of the equipment, and take into consideration the health and safety of other non-users of the equipment when required.

5/2 Usage Guidelines and Manuals

- 5/2/1 Usage guidelines and manuals - attached to personal protective equipment - shall meet the standards' requirements contained in Annex (1).
- 5/2/2 Operation guidelines and manuals shall include general safety requirements for safe use, and additional necessary maintenance requirements.
- 5/2/3 Usage guidelines and manuals shall meet the instructions and information of the manufacturing company stipulated in Paragraph (3) of Annex (2).
- 5/2/4 Usage guidelines and manuals shall be written at least in Arabic, or in both Arabic and English. The instructions labeled on products shall be clearly legible and cannot be easily removed. The instructions may include the symbols specified in the relevant standard.
- 5/2/5 The content of the operation guidelines and manuals shall not violate customs, morals, and the Islamic values prevailing in KSA.

5/3 Metrological Requirements

International System of Units (SI Units), multiplies, or parts shall be applied during design, manufacturing or distribution.

5/4 Packaging Requirements

- 5/4/1 Ensuring that the product is packaged in accordance with to its nature, and in accordance with the packaging requirements set out in the relevant standard.
- 5/4/2 Packaging requirements shall meet the instructions and information of the manufacturing company contained in Paragraph (3) of Annex (2).
- 5/4/3 Ensuring that the packaging materials are free of Lead, heavy metals, or any substance harmful to the health and safety of human beings and the environment.
- 5/4/4 Ensuring that plastic containers or packaging materials for products are holding the biodegradable plastic label if these materials are included in the Technical Regulation for Degradable Plastics, or holding the recycling symbol in case of using recyclable plastic containers.

Article (6): Labelling

The label of the product, which is intended to be placed and made available on the market, shall fulfill the following requirements:

- 6/1 Name and commercial registration of the supplier.
- 6/2 Country of origin.
- 6/3 Designation and classification of the product in accordance with the protection level and hazard/risk type.
- 6/4 Attachment of the necessary warnings and cautions of use.
- 6/5 The label on the product shall be in accordance with the technical requirements of this regulation and the relevant standards set out in Annex (1) of this regulation.
- 6/6 All information used in the label shall be correct, , and verifiable.
- 6/7 Images and phrases used on the product packaging shall not violate the public law, morals, and the Islamic values prevailing in KSA.

Article (7): Conformity Assessment Procedures

- 7/1 The requirements of the conformity assessment procedures set out in this Technical Regulation shall only be adhered to, if any other requirements in this regard are included in any standard, they shall not be taken into account.
- 7/2 The supplier responsible for placement of the products - subject to this regulation, in the market - shall obtain a Certificate of Conformity issued by a notified body, in accordance with conformity assessment form (Type 3) as per ISO/IEC 17067, as mentioned in Annex (3).
- 7/3 Notified Bodies shall implement the conformity assessment procedures according the specified model, in order to ensure fulfillment of the requirements of the Technical Regulation and relevant Saudi standards set out in Annex (1) of this Regulation.
- 7/4 The product shall be accompanied by a technical file, which includes the following:

- A) Supplier (manufacturer/importer) Declaration of Conformity in accordance with the attached form in Annex (4).
 - B) Risk Assessment Document.
 - C) Country of Origin.
 - D) Designs, drawings, and components of the product, in addition to the necessary explanations needed for understanding and using the product.
 - E) List of standards applied to the product in accordance with Annex (1).
 - F) Description of the product and its potential uses.
- 7/5 The supplier shall cooperate with the regulatory authorities and market surveillance authorities by providing the technical file documents, Certificates of Conformity, and any other information proving the conformity of the product with the requirements of this Technical Regulation, upon request.
- 7/6 Products, subject to this regulation, that have obtained the Saudi Quality Mark are deemed compliant with the requirements of this regulation.

Article (8): Responsibilities of Regulatory Authorities

As a part of their field of competence and powers, Regulatory Authorities shall:

- 8/1 Verify that personal protective equipment, subject to this regulation, fulfill the requirements of the specified conformity assessment procedures, and the technical documents accompanied with consignments, at customs ports and manufactories.
- 8/2 Have the right to randomly take samples of the products periodically from the point of production, and from ports, in accordance with the conformity assessment model (Type 3), and refer such samples to the competent laboratories to ascertain if such samples conform to the requirements set out herein.
- 8/3 Have the right to charge suppliers (manufacturers/importers) with the costs of tests and associated fees.
- 8/4 In case of non-conformity of the products, Regulatory Authorities shall withdraw such products from warehouses, take legal measures, and apply procedures and penalties stipulated in Article (10), after taking the necessary actions.

Article (9): Responsibilities of Market Surveillance Authorities

As a part of their field of competence and powers, Market Surveillance Authorities shall:

- 9/1 Enforce market surveillance procedures to the products in markets and the products stored in warehouses of traders and manufactures, in order to check the safety of products and the extent of fulfillment of the essential requirements stipulated in this Technical Regulation and relevant standards.

- 9/2 Withdraw samples of the product, whether from the market or warehouses of suppliers (manufacturers and importers), in order to conduct the necessary tests and to verify the conformity of such products with the requirements set out herein.
- 9/3 In case of non-conformity of – displayed or stored – products with the requirements of this Technical Regulation, Market Surveillance Authorities shall take all administrative actions including withdrawal and recall of such products. Procedures and penalties – stipulated in Article (10) – shall be applied after taking the necessary actions.

Article (10): Violations and Penalties

- 10/1 It is prohibited to manufacture, import, place or made available on market, or even advertise the products non-conforming with the requirements of the articles stipulated in this Technical Regulation.
- 10/2 Failure to meet the requirements of this Regulation shall be a sufficient reason for Market Surveillance Authorities and Regulatory Authorities to consider the product as non-conforming, which may pose a risk to the health and safety of consumers and to the environment, including:
- A) Non-fixing or improper fixing of conformity labels, Saudi Quality Mark, or its equivalent.
 - B) Failure to issue or incorrect issuance of the Certificate of Conformity or the Supplier Declaration of Conformity, or if these two documents contained incomplete or incorrect information.
 - C) Unavailability or incompleteness of the technical documents.
 - D) Unavailability or incompleteness of labels or usage guidelines, or unavailability of product data or information related to the hazardous materials.
- 10/3 In case of a violation of the provisions hereof, Regulatory Authorities and Market Surveillance Authorities – as the case may be – shall take all necessary actions to eliminate such violation, and its effects from the market. To this end, Regulatory Authorities and Market Surveillance Authorities may:
- A) Mandate the violating body – that is responsible for placing and offering the non-conforming product – to withdraw the product from warehouses or markets in order to remedy such violations, if possible, export the product, or destroy the product (according to the nature of the product) within the period specified by the Regulatory Authorities and Market Surveillance Authorities.
 - B) Withdraw, restrain or destroy the products, or take any other necessary action to recall such products from the market. In addition, as the case may be, Market surveillance Authorities may announce the recall of the

product from the market, and the violating body shall bear all associated expenses.

C) Deal with the non-conforming products covered by this regulation in accordance with laws and regulations applicable in the Regulatory Authorities and Market Surveillance Authorities.

- 10/4 In case of non-conformity of the products, SASO shall take the necessary actions concerning products non-conforming with the requirements herein, including the cancellation of the relevant Certificate of Conformity, while taking the necessary measures with the notified body, which issued the certificate, in accordance with the technical regulation of approval for conformity assessment bodies.
- 10/5 Without prejudice to any other law, a party that violates any of the provisions hereof shall be subject to the penalties stipulated in applicable Anti-Commercial Fraud Law or any other superseding law, or legislations on consumer protection.

Article (11): General Provisions

- 11/1 Supplier shall bear full legal responsibility for the implementation of the requirements of this Technical Regulation, and shall be subject to the penalties stipulated in the Anti-Commercial Fraud laws and/or any other related laws, in case any violation of the articles thereof is proven.
- 11/2 This Technical Regulation shall not impede the supplier to comply with all other laws/regulations applicable in KSA; pertaining to trading, transporting, or storing the product, or laws/regulations related to the environment, security, and safety, in addition to complying with the requirements of the Technical Regulation for Textile, if necessary.
- 11/3 All suppliers of personal protective equipment, subject to the provisions of this Technical Regulation, shall provide the inspectors of the Regulatory Authorities and Market Surveillance Authorities with all necessary information and facilities, when required, to carry out their assigned tasks.
- 11/4 If new originated cases that cannot be treated under the provisions of this Technical Regulation, or a dispute arises as a result of the application of those provisions, such matter shall be referred to the competent committee in SASO, in order to issue a proper resolution regarding the case or dispute, while taking the public interest into consideration.
- 11/5 The supplier may submit a new request for the Certificate of Conformity after elimination of the reasons of rejection for the previous request, after the necessary corrections have been made. The supplier shall be responsible for any additional expenses determined by SASO.
- 11/6 SASO shall examine the complaints received regarding the products having a Certificate of Conformity, verify the validity of such complaints, and take the necessary legal actions in case of any violations.

- 11/7 SASO has the right to annul the Certificate of Conformity, if the supplier violates the provisions herein, and shall take the legal actions to ensure the preservation of the rights of SASO.
- 11/8 If any modifications were made to the product during the validity period of the Certificate of Conformity (except for morphological modifications), the certificate or license shall be annulled, and a new request shall be submitted.
- 11/9 SASO shall, exclusively, have the right to construe the articles herein. All suppliers shall apply this Technical Regulation and adhere to the interpretations issued by SASO.

Article (12): Transitional Provisions

- 12/1 The supplier shall take corrective actions in accordance with the provisions of this Technical Regulation within a period of no more than (one) year as of the date of publication in the Official Gazette.
- 12/2 Subject to the provisions of Paragraph (1) of this Article, products, not complying with the provisions specified in this Technical Regulation may be traded for a maximum of two years as of the date of publication in the Official Gazette.
- 12/3 This Technical Regulation, once adopted, shall supersede all the preceding regulations related to the scope of this regulation.

Article (13): Publication

This Technical Regulation shall be published in the Official Gazette.

Annex (1)

A) List of Personal Protective Equipment and Clothing and Relevant Standards

No.	Standard Title in Arabic	Standard Title in English	Standard No.
1	متطلبات الأداء للملابس الواقية لمكافحة الحرائق	Protective clothing for firefighters — Performance requirements for protective clothing for firefighting	EN 469
2	قفازات واقية لرجال الإطفاء	Protective gloves for firefighters	EN 659
3	خوذات لمكافحة الحرائق في المباني والمنشآت الأخرى	Helmets for firefighting in buildings and other structures	EN 443
4	أحذية لرجال الإطفاء	Footwear for firefighters	EN 15090
5	الواقيات الشخصية للعيون المستخدمة في عمليات اللحام والتقنيات المتعلقة بها - المرشحات - متطلبات الاستخدام والنفذية	Personal eye-protectors for welding and related techniques- filters - utilization and transmittance requirements	SASO-ISO-4850
6	الواقيات الشخصية للعيون - نظارات سباقات التزلج	Personal eye-protection — Ski goggles for downhill skiing	EN 174
7	الواقيات الشخصية للعيون - مرشحات وحماية العين ضد أشعة الليزر (نظارات حماية ليزر)	Personal eye-protection equipment — Filters and eye-protectors against laser radiation (laser eye-protectors)	EN 207
8	الواقيات الشخصية للعيون - نظارات للعمل على الليزر وأنظمة الليزر (ليزر تعديل العين)	Personal eye-protection — Eye-protectors for adjustment work on lasers and laser systems (laser adjustment eye-protectors)	EN 208

9	الواقيات الشخصية للعيون -مرشحات اللحام الآلي	Personal eye-protection — Automatic welding filters	EN 379
10	الواقيات الشخصية للعيون -واقيات العين والوجه	Personal eye protection — Mesh eye and face protectors	EN 1731
11	الواقيات الشخصية للعيون -نظارات لراكبي الدراجات النارية	Personal eye protection — Goggles for motorcycle and moped users	EN 1938
12	الملابس الواقية -الحماية ضد المواد الكيميائية - تحديد مقاومة المواد المستخدمة في صناعة الملابس الواقية للتخلل بالسوائل والغازات	Protective clothing - protection against chemicals - determination of resistance of protective clothing materials to permeation by liquids and gases	SASO-ISO-6529
13	ملابس الواقية -حساب تأثير المواد بلامسة المعادن السائلة المتطايرة	Protective clothing - determination of behavior of materials on impact of small splashes of molten metal	SASO-ISO-9150
14	ملابس الواقية ضد الحرارة واللهب -تعيين التوصيل الحراري عند التعرض للهيب	Protective clothing against heat and flame - determination of heat transmission on exposure to flame	SASO-ISO-9151
15	ملابس الواقية -تقييم مقاومة المواد للمعادن السائلة المتطايرة	protective clothing - assessment of resistance of materials to molten metal splash	SASO-ISO-9185
16	الاهتزاز الميكانيكي والصدمة -اهتزاز ذراع اليد - طريقة لقياس وتقييم نفاذية الاهتزاز من قبل القفايزات على كف اليد	Mechanical vibration and shock - hand-arm vibration - method for the measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand	SASO-ISO-10819
17	ملابس الواقية للاستخدام في اللحام والعمليات المماثلة	Protective clothing for use in welding and allied processes	SASO-ISO-11611

18	ملابس واقية - ملابس واقية ضد الحرارة واللهب	Protective clothing -- clothing to protect against heat and flame -- minimum performance requirements	SASO-ISO-11612
19	ملابس حماية ضد الحرارة واللهب - تعيين الاتصال انتقال الحرارة من خلال الملابس الواقية أو المواد التأسيسية	Clothing for protection against heat and flame -- Determination of contact heat transmission through protective clothing or constituent materials -- Part 1: Contact heat produced by heating cylinder	SASO-ISO-12127-1
20	ملابس الوقاية المستخدمة ضد الجسيمات الصلبة المتطايرة - الجزء الأول: متطلبات الأداء لملابس الوقاية من الكيماويات والمستخدم لحماية كامل الجسم ضد الجسيمات المحمولة بالهواء (ملابس من نوع ٥)	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)	SASO-ISO-13982-1
21	تحديد مقاومة مواد الملابس الواقية للاختراق من قبل السوائل تحت الضغط - حساب مقاومة مواد الملابس الواقية لنفاذية السوائل تحت الضغط	Clothing for protection against liquid chemicals - determination of the resistance of protective clothing materials to penetration by liquids under pressure	SASO-ISO-13994
22	ملابس الوقاية - مريول، بنطال وصدري للحماية ضد القطع والطعن بالسكين	Protective clothing - aprons, trousers and vests protecting against cuts and stabs by hand knives	SASO-ISO-13998
23	ملابس الوقاية في عمليات الاحتكاك الناسف باستخدام حبيبات الاحتكاك	Protective clothing for abrasive blasting operations using granular abrasives	SASO-ISO-14877
24	الملابس - التأثير الفسيولوجي - قياس العزل الحراري باستخدام تمثال حراري	Protective clothing for abrasive blasting operations using granular abrasives	SASO-ISO-15831

25	ملابس الوقاية -الوقاية ضد الكيماويات الغازية أو السائلة. تعيين مقاومة ملابس الوقاية لنفاذية الغازات والسوائل	Protective clothing - protection against gaseous and liquid chemicals - determination of resistance of protective clothing to penetration by liquids and gases	SASO-ISO-17491
26	ملابس الوقاية ضد الحرارة واللهب -حساب التوصيل الحراري عند التعرض لكل من اللهب والحرارة الإشعاعية	Clothing for protection against heat and flame - determination of heat transmission on exposure to both flame and radiant heat	SASO-ISO-17492
27	ملابس الوقاية -الوقاية من الكيماويات السائلة - قياس الطرد والاحتفاظ والنفاذية لتركيبات مبيدات الآفات السائلة من خلال مواد الملابس الوقائية	Protective clothing - protection against liquid chemicals - measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing	SASO-ISO-22608
28	العمل تحت الجهد -الملابس الموصلة للاستخدام عند الجهد الاسمي حتى ٨٠٠ ك.ف تيار متردد و +/- ٦٠٠ ك.ف تيار مستمر	Live working - conductive clothing for use at nominal voltage up to 800 kv a.c. and +/- 600 kv d.c	SASO-IEC-60895
29	الأغلفة (الأكمام) من المادة العازلة للعمل تحت الجهد	Sleeves of insulating material for live working	SASO-IEC-60984
30	الملابس الوقائية -أطقم والملابس الجاهزة للحماية ضد العناصر الباردة	Protective clothing — Ensembles and garments for protection against cold	EN 342
31	الملابس الوقائية -حماية ضد الحرارة واللهب - تعيين انتقال الحرارة على التعرض للهيب	Protective clothing against heat and flame — Determination of heat transmission on exposure to flame	EN-ISO- 9151
32	ملابس واقية لمستخدمين المنشار اليدوي -الجزء التاسع: متطلبات حماية الأجزاء	Protective clothing for users of hand-held chain saws — Part 9: Requirements for chain saw protective gaiters	EN 381-9

33	الملابس الواقية لمستخدمي المنشار المحمول - الجزء ١١: متطلبات الواقية	Protective clothing for users of hand-held chainsaws — Part 11: Requirements for upper body protectors	EN 381-11
34	مواصفات الملابس الواقية للاستخدام حيث يكون هناك خطر التشابك مع الأجزاء المتحركة	Specification for protective clothing for use where there is a risk of entanglement with moving parts	EN 510
35	الملابس الواقية - خصائص الكهرباء - الجزء الخامس: متطلبات الأداء للمواد والتصميم	Protective clothing — Electrostatic properties — Part 5: Material performance and design requirements	EN 1149-5
36	ملابس واقية ضد المواد الكيميائية السائلة - متطلبات الملابس الواقية الكيميائية مع حماية محدودة ضد المواد الكيميائية السائلة (معدات من PB النوع ٦ ونوع	Protective clothing against liquid chemicals — Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment)	EN 13034
37	الملابس الواقية ضد المواد الكيميائية السائلة - متطلبات الأداء للملابس ذات الموصلات للسائل أو الرذاذ	Protective clothing against liquid chemicals — performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])	EN 14605
38	ملابس العزل الكهربائي لتثبيت أجهزة ذات جهد منخفض	Electrical insulating protective clothing for low- voltage installations	EN 50286

39	العمل تحت الجهد - القفازات العازلة	Live working - gloves of insulating material	SASO-IEC-60903
40	ملابس الوقاية - القفازات وواقيات الذراع ضد القطع والطعن بالسكين - الجزء الأول: القفازات المدرعة وواقيات الذراع	Protective clothing - gloves and arm guards protecting against cuts and stabs by hand knives – part 1: chain-mail gloves and arm guards	SASO-ISO-13999-1
41	ملابس الوقاية - القفازات وواقيات الذراع ضد القطع والطعن بالسكين - الجزء الثاني: القفازات وواقيات الذراع المصنوعة من مواد غير الدروع	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	SASO-ISO-13999-2
42	قفازات واقية من المواد الكيميائية والكائنات الدقيقة - الجزء الأول: المصطلحات ومتطلبات الأداء	Protective gloves against dangerous chemicals and micro-organisms — Part 1: Terminology and performance requirements for chemical risks	EN-ISO 374-1
43	قفازات واقية ضد المخاطر الميكانيكية	Protective gloves against mechanical risks	EN 388
44	قفازات الواقية ضد المخاطر الحرارية (الحرارة و/ أو النار)	Protective gloves against thermal risks (heat and/ or fire)	EN 407
45	قفازات واقية من الإشعاع المؤين والتلوث الإشعاعي	Protective gloves against ionizing radiation and radioactive contamination	EN 421
46	قفازات واقية لعمليات اللحام	Protective gloves for welders	EN 12477
47	ملابس واقية لمستخدمي المنشار اليدوي - الجزء السابع: متطلبات القفازات الواقية ضد المناشير	Protective clothing for users of hand-held chainsaws — Part 7: Requirements for chainsaw protective gloves	EN 381-7
48	الملابس الواقية - قفازات حراس مرمى كرة القدم	Protective clothing — Gloves with protective effect for	EN 16027

		association football goal keepers	
49	الصوتيات -واقيات الضوضاء الفردية -الجزء الثاني: تقدير مستويات ضغط الصوت المرجحة في حالة استخدام واقيات الضوضاء الفردية	Acoustics - hearing protectors – part 2: estimation of effective a-weighted sound pressure levels when hearing protectors are worn	SASO-ISO-4869-2
50	حماية ضد الضوضاء -المتطلبات العامة -الجزء الأول: غطاء الأذن	Hearing protectors — General requirements — Part 1: Ear-Muffs	EN 352-1
51	حماية ضد الضوضاء -المتطلبات العامة -الجزء الثاني: سدادات	Hearing protectors — General requirements — Part 2: Ear-plugs	EN 352-2
52	حماية ضد الضوضاء -المتطلبات العامة -الجزء الثالث: ربط غطاء الأذن إلى خوذة السلامة	Hearing protectors — General requirements — Part 3: Ear-muffs attached to an industrial safety helmet	EN 352-3
53	أجهزة الطفو الشخصية -الجزء الثاني: سترات النجاة ومستوى الأداء ٢٧٥ -متطلبات السلامة	Personal flotation devices – part 2: lifejackets, performance level 275 - safety requirements	SASO-ISO-12402-2
54	أجهزة الطفو الشخصية -الجزء الثالث: سترات النجاة، ومستوى الأداء ١٥٠ -متطلبات السلامة	Personal flotation devices – part 3: lifejackets, performance level 150 - safety requirements	SASO-ISO-12402-3
55	أجهزة الطفو الشخصية -الجزء الرابع: سترات النجاة، ومستوى الأداء ١٠٠ -متطلبات السلامة	Personal flotation devices – part 4: lifejackets, performance level 100 - safety requirements	SASO-ISO-12402-4
56	أجهزة الطفو الشخصية -الجزء الخامس: مساعدات الطفو (مستوى ٥٠) -متطلبات السلامة	Personal flotation devices – part 5: buoyancy aids (level 50) - safety requirements	SASO-ISO-12402-5
57	أجهزة الطفو الشخصية -الجزء العاشر: اختيار وتطبيق أجهزة الطفو الشخصية والأجهزة الأخرى ذات الصلة	Personal flotation devices – part 10: selection and application of personal flotation devices and other relevant devices	SASO-ISO-12402-10

58	بدلات الغطس - الجزء الأول: أطقم الملابس الثابتة ومتطلبات تشمل السلامة	Immersion suits – part 1: constant wear suits, requirements including safety	SASO-ISO-15027-1
59	بدلات الغطس - الجزء ٢: الأطقم ومتطلبات السلامة	Immersion suits – part 1: constant wear suits, requirements including safety	SASO-ISO-15027-2
60	أحذية السلامة مع مقاومة منشار القطع المجنزر	Safety footwear with resistance to chain saw cutting	SASO-ISO-17249
61	معدات الوقاية الشخصية - أحذية السلامة	Personal protective equipment - safety footwear	SASO-ISO-20345
62	معدات الوقاية الشخصية - أحذية الوقاية	Personal protective equipment - protective footwear	SASO-ISO-20346
63	معدات الوقاية الشخصية - أحذية المهنية	Personal protective equipment - occupational footwear	SASO-ISO-20347
64	الأحذية التي تحمي من المواد الكيميائية - الجزء الثاني: متطلبات الأحذية لمقاومة المواد الكيميائية تحت ظروف المختبر	Footwear protecting against chemicals — Part 2: Requirements for footwear resistant to chemicals under laboratory conditions	EN 13832-2
65	الأحذية التي تحمي من المواد الكيميائية - الجزء الثالث: متطلبات الأحذية شديدة المقاومة للمواد الكيميائية تحت ظروف المختبر	Footwear protecting against chemicals — Part 3: Requirements for footwear highly resistant to chemicals under laboratory conditions	EN 13832-3
66	الأحذية العازلة كهربائياً للعمل على تركيب أجهزة ذات جهد منخفض	Electrically insulating footwear for working on low voltage installations	EN 50321
67	السلامة الشخصية - أجهزة السلامة الشخصية للحماية من السقوط - وسائل النزول	personal equipment for protection against falls - descending devices	SASO-ISO-22159
68	معدات الوقاية الشخصية ضد السقوط من ارتفاع - الجزء الثاني: إرشادات مانعات السقوط بما في ذلك الارتكاز	Personal protective equipment against falls from a height — Part 2: Guided type fall arresters including a flexible anchor line	EN 353-2

69	معدات الوقاية الشخصية ضد السقوط من ارتفاع -حبال	Personal fall protection equipment — Lanyards	EN 354
70	معدات الوقاية الشخصية ضد السقوط من ارتفاع -امتصاص الطاقة	Personal protective equipment against falls from a height — Energy absorbers	EN 355
71	معدات الوقاية الشخصية للتمركز أثناء العمل والوقاية من السقوط من على ارتفاع -أحزمة التثبيت	Personal protective equipment for work positioning and prevention of falls from a height — Belts for work positioning and restraint and work positioning lanyards	EN 358
72	معدات الوقاية الشخصية ضد السقوط من ارتفاع -مانعات سقوط	Personal protective equipment against falls from a height — Retractable type fall arresters	EN 360
73	معدات الوقاية الشخصية ضد السقوط من ارتفاع -عدة كامل الجسم	Personal protective equipment against falls from a height — Full body harnesses	EN 361
74	معدات الوقاية الشخصية ضد السقوط من ارتفاع -الموصلات	Personal protective equipment against falls from a height — Connectors	EN 362
75	معدات الوقاية الشخصية ضد السقوط من ارتفاع - نظام الحماية من السقوط	Personal fall protection equipment — Personal fall protection systems	EN 363
76	معدات الوقاية الشخصية ضد السقوط من ارتفاع -المتطلبات العامة للحصول على الإرشادات للاستخدام والصيانة والفحص الدوري، والإصلاح، ووضع العلامات والتعبئة والتغليف	Personal protective equipment against falls from a height — General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging	EN 365
77	للوقاية من مخاطر السقوط من على ارتفاع -حزام الخصر	Personal fall protection equipment — Sit harnesses	EN 813
78	معدات الوقاية الشخصية ضد السقوط -عدة الإنقاذ	Personal fall protection equipment — Rescue harnesses	EN 1497

79	معدات الوقاية الشخصية ضد السقوط من ارتفاع -قائمة المصطلحات المكافئة	Personal protective equipment against falls from a height — List of equivalent terms	EN 1868
80	معدات الوقاية الشخصية للوقاية من السقوط من المرتفعات -الاستطالة البسيطة في حبال من نوع kernmantel	Personal protective equipment for the prevention of falls from a height — Low stretch kernmantel ropes	EN 1891
81	معدات الوقاية الشخصية للوقاية من السقوط من ارتفاع -أنظمة الوصول للحبل -أجهزة تعديل الحبل	Personal fall protection equipment — Rope access systems — Rope adjustment devices	EN 12841
82	الخوذات الواقية للصناعة	Industrial safety helmets	EN 397
83	الخوذات المضادة للصدمات في المصانع	Industrial bump caps	EN 812
84	خوذات لرياضة القفز الهوائي	Helmets for airborne sports	EN 966
85	خوذات واقية للأطفال الصغار	Impact protection helmets for young children	EN 1080
86	خوذات لأنشطة الفروسية	Helmets for equestrian activities	EN 1384
87	الخوذات المستخدمة في التجديف والرياضات المائية	Helmets for canoeing and white water sports	EN 1385
88	الخوذات الواقية للسائقين والركاب في عربات الثلج	Protective helmets for drivers and passengers of snowmobiles and bobsleighs	EN 13781
89	خوذات العزل الكهربائي المستخدمة عند التعامل مع أجهزة الضغط المنخفض	Electrically insulating helmets for use on low voltage installations	EN 50365
90	أجهزة التنفس الواقية -التصنيف	Respiratory protective devices — Classification	EN 133
91	أجهزة التنفس الواقية -صمامات أسطوانات الغاز -الجزء الأول: الموصلات	Respiratory protective devices — Gas cylinder valves — Part 1: Thread connections for insert connector	EN 144-1
92	أجهزة التنفس الواقية -صمامات أسطوانات الغاز -الجزء الثاني: وصلات المنافذ	Respiratory protective devices — Gas cylinder	EN 144-2

		valves — Part 2: Outlet connections	
93	أجهزة التنفس الواقية -صمامات أسطوانات الغاز -الجزء ٣: وصلات منافذ غاز النيتروكس والأكسجين للغواصين	Respiratory protective devices — Gas cylinder valves — Part 3: Outlet connections for diving gases Nitrox and oxygen	EN 144-3
94	وسائل وقاية الجهاز التنفسي -مواضيع عن أجزاء الوجه -الجزء الأول: الموصلات القياسية	Respiratory protective devices — Threads for facepieces — Part 1: Standard thread connection	EN 148-1
95	وسائل وقاية الجهاز التنفسي -مواضيع عن أجزاء الوجه -الجزء الثاني: الموصلات المركزية	Respiratory protective devices — Threads for facepieces — Part 2: Centre thread connection	EN 148-2
96	وسائل للوقاية الجهاز التنفسي -مواضيع عن أجزاء الوجه -الجزء الثالث: موصلات من نوع M 45 × 3	Respiratory protective devices — Threads for facepieces — Part 3: Tread connection M 45 x 3	EN 148-3
97	أجهزة التنفس الواقية -مرشحات أول أكسيد الكربون	Respiratory protective devices for self-rescue — Filter self-rescuer from carbon monoxide with mouthpiece assembly	EN 404
98	وسائل وقاية الجهاز التنفسي - أقنعة التنفس لأسطوانات الهواء المضغوط	Respiratory protective devices — Self-contained open-circuit compressed air breathing apparatus with half mask designed to include a positive pressure lung governed demand valve for escape purposes only	EN 14529
99	وسائل وقاية الجهاز التنفسي - أجهزة التنفس في الغوص	Respiratory equipment — Self-contained re-breathing diving apparatus	EN 14143
100	معدات الجهاز التنفسي في الغوص - جهاز ضغط الغاز ، والدائرة المفتوحة -الجزء الأول: احتياج الأجهزة	Respiratory equipment — Open-circuit umbilical supplied compressed gas diving apparatus — Part 1: Demand apparatus	EN 15333-1

101	معدات الجهاز التنفسي - الغوص جهاز ضغط الغاز، والدائرة المفتوحة - الجزء الثاني: أجهزة التدفق الحر	Respiratory equipment — Open-circuit umbilical supplied compressed gas diving apparatus — Part 2: Free flow apparatus	EN 15333-2
102	خوذات التزلج على الجليد	Helmets for alpine skiers and snowboarders	EN 1077
103	خوذات الوقاية لراكبي الدراجات الجبلية ومستخدمي ألواح التزلج	Helmets for pedal cyclists and for users of skateboards and roller skates	EN 1078
104	خوذات الوقاية للتزلج	Helmets for users of luges	EN 13484
105	معدات الحماية للفنون القتالية - الجزء ١: المتطلبات العامة وطرق الاختبار	Protective equipment for martial arts -- Part 1: General requirements and test methods	SASO ISO 21924-1:2020
106	معدات الحماية للفنون القتالية - الجزء ٢: المتطلبات الإضافية وطرق الاختبار لواقيات مشط القدم، وواقيات الساق، وواقيات الساعد	Protective equipment for martial arts -- Part 2: Additional requirements and test methods for instep protectors, shin protectors and forearm protectors	SASO ISO 21924-2:2020
107	معدات الحماية للفنون القتالية - الجزء ٣: المتطلبات الإضافية وطرق الاختبار لواقيات الجذع	Protective equipment for martial arts -- Part 3: Additional requirements and test methods for trunk protectors	SASO ISO 21924-3:2020
108	معدات الحماية للفنون القتالية - الجزء ٤: المتطلبات الإضافية وطرق الاختبار لواقيات الرأس	Protective equipment for martial arts -- Part 4: Additional requirements and test methods for head protectors	SASO ISO 21924-4:2020
109	معدات الحماية للفنون القتالية - الجزء ٥: المتطلبات الإضافية وطرق الاختبار لواقيات الجهاز التناسلي وواقيات البطن	Protective equipment for martial arts -- Part 5: Additional requirements and test methods for genital protectors and abdominal protectors	SASO ISO 21924-5:2020

110	معدات الحماية للفنون القتالية – الجزء ٦: المتطلبات الإضافية وطرق الاختبار لواقيات الصدر للإناث	Protective equipment for martial arts -- Part 6: Additional requirements and test methods for breast protectors for females	SASO ISO 21924- 6:2020
111	معدات الحماية للفنون القتالية – الجزء ٧: المتطلبات الإضافية وطرق الاختبار لواقيات اليد والقدم.	Protective equipment for martial arts -- Part 7: Additional requirements and test methods for hand and foot protectors	SASO ISO 21924- 7:2020
112	مواصفة قياسية لمتطلبات الأداء لأحذية الوقاية (السلامة) لحماية مشط القدم	Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear	SASO ASTM F2413:2020

Note: The list of standards mentioned in this Annex is subject to review, and suppliers are responsible for ensuring that they use the latest standards through SASO's website.

B) List of Products and Customs Coding

No.	Category	Classification of some Products	HS Code
1	Devices	Gas masks	9020
		Other other respirators	
		Mountaineering axes	9506
		Divers glasses	9004
		Welding flame goggles	
2	shoes	Other shoes, including metal gaskets on the front	6403
		For sporting activities	6506
3	Arrayed	Firefighting clothing	4015
		Clothing for divers	
		Occupational protective clothing, of genuine leather.	4203
		Occupational protective clothing, of regenerated leather.	
		Trousers with a waistcoat and a attached strap (overalls) made of genuine leather	
4	sling	Pants with a bodice and a attached strap (overalls), of rejuvenated leather	
		Life jackets and belts	6307
		Headgear straps on chin	
		Tow ropes or lifting loads	5609
5	Helmets	Lifting ropes	7312
		Motorcycle helmets	6506
		Firefighter helmets	6506
6	Gloves	Helmets for construction workers	6506
		Other gloves for other uses	4015
		Firefighting gloves	

Note: The products and customs coding (HS Codes) found in Saber electronic platform are the updated and certified version.

Annex (2)

Essential Requirements for Health and Safety

(General Requirements to be applied on all Personal Protective Equipment and Clothing)

1. Ergonomic

- A) Personal protective equipment and clothing shall be designed and manufactured in accordance with the potential risks of use, as the user can perform the activity associated with risks naturally with the highest level of proper protection.
- B) Expected use circumstances shall be different so that levels of the same hazard can be differentiated. Therefore, it is necessary to consider the proper protection categories of each hazard upon designing the personal protective equipment and clothing.
- C) Personal protective equipment and clothing shall be adjustable to meet the size of the user through all proper means, such as adaption and modification systems that are suitable for the body of the user, or through providing sufficient group of sizes.
- D) Personal protective equipment and clothing shall be designed and manufactured to prevent any risks or further disturbance factors while using, such as colors, stability of dyes and consistency of dimensions with the measures.
- E) Materials of the personal protective equipment and clothing shall not affect health and safety of users negatively, including any potential degradable product.
- F) Any parts of the personal protective equipment and clothing, which contact or may contact to the user upon wearing, shall be free from rough surfaces, edges, sharp points and others, which may cause skin irritation or excessive injuries.
- G) Personal protective equipment and clothing shall be designed and manufactured to be worn by the user easily and properly, and to remain in its position during the expected period of use, taking into consideration the surrounding factors, procedures to be taken, and situations to be adopted.
- H) Personal protective equipment and clothing shall be as light as possible without affecting its strength and effectiveness.
- I) Personal protective equipment and clothing shall be designed and manufactured to provide an effective method of ventilation to minimize sweat resulting from using, or to be outfitted with sweat absorbents.

2. Personal Protective Equipment Categories in accordance with the Type of Hazard

2.1. Personal Protective Equipment for Face and Eyes

- A) It is required to minimize any ties that may affect the visual field or the user's face by the personal protective equipment and clothing.
- B) Lenses of these types of personal protective equipment shall not affect vision, as it shall match the term and accuracy of user's activities.
- C) It is required to provide means in the equipment to prevent bad vision and protect from hazing.
- D) Types of personal protective equipment and clothing for the users who need vision correction shall consist with putting on glasses or contact lenses.

2.2. Design of Personal Protective Equipment and Clothing to face the Hazard of Moving Objects

Situations of using personal protective equipment and clothing include the hazard of being unsecured against any moving object, which may cause hazard to the user. Therefore, it is required to design and manufacture the personal protective equipment and clothing in a way that ensures breaking or destructing the moving object, and in turn ending the hazard.

2.3. Personal Protective Equipment and Clothing used for the Explosive Environment

Personal protective equipment and clothing shall be prepared to be used in the working places that may be explosive, and shall be manufactured to avoid being source of electricity or static electricity, which may cause the ignition of an explosive mixture.

2.4. Personal Protective Equipment and Clothing used for Intervention in Very Hazardous Situations

Instructions provided by the manufacturing company with the personal protective equipment and clothing, which are prepared for intervention in very hazardous situations, in particular, shall include the necessary data for the specialized individuals, trainers and qualified individuals to interpret and to ensure the proper application by the user.

2.5. Personal Protective Equipment and Clothing used for Multiple Risks

- A) Personal protective equipment and clothing aiming at protecting the user from several potential risks at one time shall be designed and manufactured in a way that fulfill the basic requirements for health and safety related to each unit of these risks.
- B) Instructions shall also describe the procedure to be adopted to verify the modification and installation of the personal protective equipment and clothing properly and practically upon putting on by the user.
- C) Personal protective equipment and clothing shall include an alarm to be activated in case of lack of the usual level of protection as stipulated. The alarm shall be designed and set to allow to the user to see it in the expected circumstances of use.

2.6. Personal Protective Equipment used for Preventing Falling due to Slipping

The outer sole of the safety footwear aiming at preventing slipping shall be designed and outfitted with further means, to ensure firmness on surfaces taking into consideration the nature and status of the surface.

2.7. Personal Protective Equipment used to Prevent Falling from Heights

- A) Personal protective equipment aiming at preventing falling from heights or hitting shall include –means that make the individual in safe position. Such type of equipment shall be designed and manufactured in accordance with the expected use circumstances to minimize the possibility of vertical falling to prevent hitting, taking into consideration that the breakout force shall not be strong in order to prevent any injuries to the body, tear or openness of protective equipment or any part of it, which may cause falling of the user.
- B) Such type of protective equipment shall be manufactured to ensure keeping users in the proper position, after braking, until the arrival of the help, if necessary.
- C) Instructions of the manufacturing company shall determine, particularly, all the following information:
 - (1) Characteristics required for the external anchoring point.

- (2) Proper way of wearing the protective clothing, and linking with the safety means of reaching safe position.

2.8. Personal Protective Equipment used for Protection from Movement Vibrations

Personal protective equipment, which is designed to prevent the effects of the movement vibrations, shall be able to ensure minimizing the harmful vibrations for the user sufficiently.

2.9. Personal Protective Equipment used for Protection from Fixed Pressure on Part of the User's Body

Personal protective equipment, which is designed to protect any part of the body against fixed pressure and stress, shall be able to minimize the effect of stress sufficiently to prevent the hazardous or chronical injuries.

2.10. Personal Protective Equipment used for Protection from Physical Injuries

Basic components of personal protective equipment and other components that are designed to protect body parts or any part of them from skin injuries such as rubbing, cutting, biting, worn, puncturing, and stinging, shall be tested and designed to ensure sufficient protection for users within the intended use conditions.

2.11. Personal Protective Equipment used for Protection from Drowning

- A) Personal protective equipment, which is designed for protection from drowning, shall achieve the purpose of its designing, and shall be able to return the user to the surface as soon as possible without causing any harm to the health of the user.
- B) Personal protective equipment and clothing shall be floatable, whether in whole or partially, by its nature, or floatable using gas that can be released manually or automatically, or through oral inflation.
- C) In the cases that require specific use requirements, personal protective equipment shall fulfill the specified uses of personal protective equipment in addition to one or more of the below additional requirements, and the requirements mentioned in Article (2.11).
 - All of them shall be provided with all the inflation means as mentioned previously and/or light or sound signal devices.
 - The equipment shall be provided with a device to be tied to the body of the user to raise the user from the liquid.
 - The equipment, designed for long-period uses, shall be suitable for the period of activity during which the user can be exposed, including the clothing designed for the tasks that require immersing of the user in a liquid.
 - The clothing, that help in floating, shall be safe upon wearing, and include positive support in the liquid, and in the expected use conditions, shall not cause restriction of the movement of the user, but shall enable the user to swim or take any procedure to move away from hazard or to rescue other people.

2.12. Personal Protective Equipment used for Protection from Noise

- A) Personal protective equipment and clothing, which aim at preventing the harmful hazard of noise, shall be able to minimize the intense of these effects, as it does not exceed the exposure of the user to the values defined in the relevant standards in Annex (1).

- B) Each element of the personal protective equipment and clothing shall hold signs that refer to the level of minimizing of the noise provided by the personal protective equipment.

2.13. Personal Protective Equipment used for Protection from Heat and Fires

- A) Personal protective equipment and clothing, which are designed to protect the whole body of the user or any part of it from the effects of heat or fire, shall have the insulating heat capacity and mechanical power that are suitable for the expected use conditions.
- B) Other components and elements, which are designed for the protection from heat and convection, shall be provided with a suitable factor to prevent the heat flow, and shall not be flammable to prevent any hazard of unprompted inflammation in the expected use conditions.
- C) Elements of personal protective equipment and clothing and other components, which are exposed to hot materials, shall be provided with sufficient mechanical absorption.
- D) Other elements and components of personal protective equipment and clothing, which are designed for use in high-temperature environment and may expose to hot materials such as molten materials, shall have sufficient heat capacity to keep most of the exposed heat without reaching to the user, even after moving away from the hazard area and removing the personal protective equipment and clothing.
- E) Other elements and components of personal protective equipment and clothing that might touch the inflammation by mistake, and those which are used in the manufacturing of the industrial equipment or firefighting, shall be in a proper degree of non-inflammability and proper endurances of heat in accordance with the extent of surrounding risks in the expected use conditions.
- F) Personal protective equipment shall be designed not to get melt upon exposing to flame and do not contribute to its spread.
- G) Volume of heat to be transferred by the personal protective equipment to the user shall be low enough to prevent the increase or rise of heat during wearing the equipment or clothing.
- H) If the personal protective equipment and clothing include cooling devices to absorb heat resulting from accidents, whether through vaporization of liquids or sublimation of solids, the design of such devices shall enable discharging any of these volatiles outwards the protective equipment and clothing, not inwards to the user.
- I) If the personal protective equipment and clothing include a respirator, this respirator shall adequately perform the determined function in the expected use conditions.
- J) Instructions of the manufacturing company, which are attached to the personal protective equipment and clothing that are designed for short-time use in high-temperature environments, shall include all the relevant data to determine the maximum permissible limit of exposure to heat that the equipment can endure upon using in accordance with the intended purpose.

2.14. Personal Protective Equipment used for Protection from Low-temperature Environment

- A) Personal protective equipment and clothing, which are designed to protect the whole body of the user or any part of it from the effects of cold environment, shall have the

insulating heat capacity and mechanical power that are suitable for the expected use conditions.

- B) The flow transferred by personal protective equipment and clothing to the user shall be low enough to prevent the increase of coldness during wearing at any point of the protected body, including the tiptoes and fingertips in case of protecting hands or feet.
- C) Personal protective equipment shall be as protected as possible against the leakage of liquids without causing injuries due to direct contact between the protection cover and user.
- D) If the personal protective equipment and clothing include a respirator, this respirator shall perform the determined function in the expected use conditions.
- E) The manufacturing entity shall provide brief instructions with the personal protective equipment that is prepared for using in the low-temperature environment.

2.15. Personal Protective Equipment used for Protection from Electrical Shocks

- A) Personal protective equipment and clothing, which are designed to protect the whole body of the user or any part of it from the effects of electrical current, shall be sufficiently insulated against electrical voltage that is likely to be exposed to the user in the worst unexpected conditions.
- B) Instructions of the manufacturing company shall mention that the equipment is prepared with electrical insulation, which practical expiration period depends on the number of uses and number of exposures to electrical shocks.

2.16. Personal Protective Equipment used for Protection from Radiations

2.16.1. Non-Ionizing Radiation

- A) Personal protective equipment and clothing, which are designed to prevent the severe or chronic damage of eyes from the non-ionizing radiation sources, shall be able to absorb or reflect the majority of the radiating energy in the harmful waves.
- B) It is necessary to design and manufacture eye protection equipment to decrease the intensity of the radiating energy that can reach eyes of the user during filtration factors in the equipment.
- C) Instructions of the manufacturing company shall refer to the method of choosing the proper personal protective equipment in accordance with the type of radiation, taking into consideration the requirements for relevant use such as distance from the source, spectral distribution of the radiating energy at this distance.

2.16.2. Ionizing Radiation

- A) It is necessary to choose or design the components of the personal equipment and other components used for the protection of the whole body or any part of it against radiated dust, gases, liquids or a mixture of them, to ensure that this equipment effectively prevent the penetration of the pollutants in the use conditions.
- B) It is necessary to provide a proper ventilation and pressure system in the personal protective equipment and clothing to eject the polluted radiations, upon necessity.
- C) Radiation pollution removal processes, to which the personal protective equipment and clothing are subject, shall not prevent their potential reuse during the equipment expected service life.
- D) Filtration devices shall be able to filter the pollutants upon using these devices in the face masks.

- E) Instructions of the manufacturing company shall indicate to the timeline of storing new filtration devices maintained in their original packaging.
- F) Personal protective equipment and clothing shall include details and characteristics of the equipment that help the user to be qualified and trained in the use of the equipment properly upon reading the instructions.

2.17. Personal Protective Equipment used for Protection of the Respiratory

- A) Personal protective equipment and clothing designed for the protection of the respiratory shall supply the user with breathable fresh air upon exposure to polluted air and/or insufficient oxygen concentration.
- B) It is necessary that the breathable air supplied to the user by the personal protective equipment shall be through a proper mean, such as filtration of the polluted air through the equipment or through unpolluted external source.
- C) Materials and components used for such types of personal protective equipment and clothing shall be chosen upon designing and manufacturing to ensure proper breathing for the user and fresh breathing device during the use.
- D) Leakage of the pollutant shall be as low as possible, not to cause harm for the user in case of using the respiratory protection devices such as face masks and filtration devices in polluted air.
- E) Personal protective equipment and clothing shall include details and characteristics of the equipment that help the user to be qualified and trained in the use of the equipment properly upon reading the instructions.

3. Instructions and Information of the Manufacturing Company

Instructions, which shall be attached to the personal protective equipment and clothing, shall include the following information:

- A) Storing, using, maintaining, cleaning, and disinfecting instructions, provided that the cleaning, maintaining or disinfecting products recommended by the manufacturers shall not have any negative impact on the personal protective equipment and clothing or the user upon applying in accordance with the manufacturer instructions.
- B) Performance efficiency as recorded in the relevant technical tests to verify the protection levels or categories that are provided by the personal protective equipment.
- C) Accessories that can be used with the personal protective equipment and clothing in association with the characteristics of proper spare parts, when required.
- D) Proper protection categories of different risk levels and acceptable use limits, when required.
- E) Validity of the products of personal protective equipment and clothing, or any components, with the production and expiry dates on the product and the packaging, provided to be apparent and irremovable.
- F) Proper packaging type for transportation, when required.
- G) If there is one or more marks or indications on the personal protective equipment and clothing related to health and safety, these marks and indications shall be in form of pictograms or consistent symbols.
- H) Risks for which the personal protective equipment is designed.

Annex (3)

Conformity Assessment Form (Type 3) as per ISO/IEC 17067

(Type Approval Based on Quality Assurance of Production Process)

1 Type Approval Based on Quality Assurance the Production Process

A model of conformity assessment procedures, by which the supplier fulfills the obligations set out in the items below, while ensuring and acknowledging - on its sole responsibility - that the concerned products are in conformity with the type specified in the Type Approval Certificate and comply with the requirements of the relevant technical regulations.

2 Manufacturing

The supplier shall operate with a certified Product Safety Management System, to ensure the safety of the product, including production lines, final inspection and testing of the concerned products as per Clause (3), and shall be subject to periodic surveillance as per Clause (4).

3 Product Safety Management System

3/1 The supplier shall submit a request to a notified body "Third party" of its choice, in order to evaluate the safety management system of concerned products.

The request shall include:

- A) Name and address of the supplier, and the name and address of the official representative, in case the representative submits the request.
- B) The manufacturer shall be officially licensed by the relevant authorities in the country of origin.
- C) A written declaration not to submit the same request to any other notified body "Third Party".
- D) All relevant information regarding the concerned product category.
- E) Documentation of the Product Safety Management System.
- F) Technical documents of the certified type, and a copy of the Type Approval Certificate.

3/2 The Product Safety Management System shall guarantee that the manufactured products are in conformity with the type specified in the Type Approval Certificate, and with the requirements of the relevant technical regulations.

3/3 All the system elements and its requirements - adopted by the supplier - shall be documented in a systematic and orderly manner in a form of written policies, procedures and instructions. The documents of the Product Safety Management System shall provide a consistent understanding of the safety programs, plans, manuals and records. Such documents shall contain, in particular, an adequate description of the following:

- A) Quality objectives, organizational structure, responsibilities and competences of the management regarding the safety of the product.
- B) Manufacturing techniques, product safety and quality assurance procedures, and applied processes and procedures.
- C) Executed inspections and tests; before, during, and after manufacturing, and the frequency with which they will be carried out.
- D) Records: such as inspection, testing, calibration reports, and the qualification documents of relevant personnel, etc.

E) Means of control for achieving the required product safety and the effective operation of the Product Safety Management System.

- 3/4 The notified body, approving the Product Safety Management System, shall assess such system to determine whether it satisfies the requirements referred to in Clause (3/3), during the period of the approval of the system, which shall be three years.
- 3/5 The product shall be presumed to comply with the requirements of the technical regulations, in relation to the items of the Product Safety Management System, whenever it conforms to the standards.
- 3/6 In addition to experience in the relevant product safety, the auditing team shall have one technical expert - at least – who is experienced in the assessment of the field and techniques of manufacturing of the product, and is fully aware of the technical requirements stipulated in the relevant technical regulations.
- 3/7 The audit shall include an assessment visit to the factory. The auditing team shall review the technical documents referred to in Clause (3/3), in order to verify the manufacturer's ability to identify the requirements of the technical regulations and carry out the necessary examinations and tests to ensure compliance of the product with these requirements.
- 3/8 The manufacturer shall be notified of the decision after the end of the assessment, provided that such notice include audit findings, assessment decision, along with the justifications on which the decision was based.
- 3/9 The manufacturer shall be committed to satisfy the obligations of the Product Safety Management System, as approved, and to maintain the system so that it remains adequate and efficient.
- 3/10 The manufacturer shall notify the conformity assessment body, which approved the Product Safety Management System, of any proposed modifications to the system.
- 3/11 The notified body shall evaluate any proposed modifications and decide whether the modified Product Safety Management System will continue to satisfy the requirements referred to in Clause (3/3) or a reassessment is necessary. The notified body shall notify the manufacturer of its decision; the notification shall include testing results along with the justifications of the assessment decision.

4 Periodic Surveillance Under the Responsibility of the Notified Body

- 4/1 The purpose of periodic surveillance is to verify the extent of which the supplier meets the obligations of the certified Product Safety Management System.
- 4/2 For assessment purposes, the supplier shall allow the notified body, during the validation period, to enter the manufacturing, inspection, testing and storage sites. The supplier shall provide the notified body with all necessary information, particularly, the Product Safety Management System documents and safety records, such as testing and calibration reports, and the qualification documents of relevant personnel, etc.
- 4/3 The notified body shall carry out periodic audit visits to verify that the manufacturer applies and maintains the Product Safety Management System, and shall provide the supplier with an audit report.
- 4/4 The notified body have the right to perform unexpected visits to the factory. During such visits, the notified body may, as necessary, carry out product tests, or have them carried out by a third party, in order to verify that the Product Safety Management System is properly functioning. The notified body shall provide the supplier with an assessment report, and testing reports, in case of testing.

5 Certificate of Conformity and Declaration of Conformity

- 5/1 The notified body shall issue a Certificate of Conformity for the product in case the supplier has an effective and certified Product Safety Management System, upon the request of the supplier, within the validity period.
- 5/2 The notified body shall identify the product details in each request, clarify such details in the issued Certificate of Conformity, and record them in the electronic portal for conformity (in SASO).
- 5/3 The supplier shall provide a written Declaration of Conformity for each approved product type (Type Approval), and shall put it at the Regulatory Authorities and Market Surveillance Authorities disposal for a period of ten (10) years, at least, after the placement of the product in the market. The Declaration of Conformity of the supplier shall identify the approved product type. Furthermore, a copy of the Certificate of Conformity and the Declaration of Conformity shall be at the Regulatory Authorities and Market Surveillance Authorities disposal request.
- 5/4 The supplier shall put the following documents at the Regulatory Authorities and Market Surveillance Authorities disposal, for a period of ten (10) years, at least, after placement of the product in the market:
- Documentation referred to in Clause (3/3).
 - The amendments referred to in Clause (3/9), as approved.
 - Decisions and reports of the notified body, referred to in Clause (3/7).
- 5/5 Each notified body shall inform the Regulatory Authorities and Market Surveillance Authorities of issued or withdrawn Product Safety Management System approvals, and shall periodically or upon request, provide lists of Product Safety Management System approvals that have been rejected, suspended, or restricted by any means; on a regular basis or upon request. Each notified body shall inform, upon request, the other notified bodies of Product Safety Management System approvals it has rejected, suspended, withdrawn, or restricted; and notify such bodies of Product Safety Management System approvals issued by it.

Annex (4)

Supplier Declaration of Conformity

To be filled in on the official papers of the company

1) Supplier Details

Name: _____

Address: _____

Contact Person: _____

Email: _____

Phone No. _____

Fax No. _____

2) Product Description

Product Trademark: _____

Type: _____

Product Description: _____

Category (in accordance with the standards): _____

Reference Standards/ Technical Specifications: _____

We declare that the product mentioned in the present declaration conforms to the Saudi Technical Regulation (_____) and the associated Saudi standards.

Person in Charge: _____

Company Name: _____

Signature: _____

Date: __/__/__

