

APPLICANTS AND MANUFACTURERS GUIDANCE

# **SASO PRODUCT SAFETY PROGRAM (SPSP): RESTRICTION OF HAZARDOUS SUBSTANCES (RoHS)**

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# EXECUTIVE SUMMARY

In an effort to enhance environmental conservation measures, the Kingdom of Saudi Arabia (KSA) has introduced mandatory regulatory controls on Electrical Electronic Equipment (EEE) being placed onto the market. SASO board of directors meeting no 179 approved the Control of Hazardous Materials in Electrical and Electronic Equipment. This new technical regulation has been introduced under the mandatory regulatory program, “SASO Product Safety Program” (SPSP). The program is to be overseen and managed by the sole appointed regulatory body, “Saudi Standards, Metrology and Quality Organization” (SASO) published on 09 July 2021, with an effective date from 05 January 2022.

This technical regulation has been aptly called “SASO RoHS,” which consequently identifies six substances with similar restriction levels as EU RoHS, the main difference being the conformity assessment approach under ISO/IEC 17067, which identifies as Type 1 n. The SASO RoHS program mandates a conformity assessment process to IEC Standards as a means of supporting and meeting requirements of the regulation. The conformity assessment process is based on meeting IEC 63000 requirements of the standard.

Intertek is a SASO Notified Body and a leading global expert in and provider of assurance, testing, inspection, and certification services with a network of laboratories and local country offices worldwide. They have prepared the following guidance document on the SASO RoHS program to assist manufacturers/importers/agents who import Electrical Electronic Equipment into the Kingdom of Saudi Arabia in understanding and complying with KSA mandatory regulatory conformity assessment requirements for RoHS-impacted products.

This document includes coverage of compliance obligations, the certification process, requirements for meeting the mandatory SPSP requirements for placement of EEE onto the KSA market, and the penalties associated with non-compliance. By understanding these critical elements as well as how Intertek can fully support the entire certification process, manufacturers/importers/agents will be better positioned for long-term success relative to their sales and marketing activities within the KSA region.

***NOTE: Always be sure to refer to the latest version of the Guidance Document for updated information.***

# SASO RoHS

## Objective

The Kingdom of Saudi Arabia shall take all appropriate measures to ensure that EEE placed on the market or put into service is constructed in accordance with good engineering practices and to ensure restricted materials (if present) are below the prescribed limits detailed in this Technical Regulation.

## Definitions

- **EEE (Electrical and Electronic Equipment):** means equipment which is dependent on electric currents or electromagnetic fields to work properly and equipment for the generation, transfer, and measurement of such currents and fields and designed for use with a voltage rating not exceeding 1000 volts for alternating current and 1500 volts for direct current.
  - **Dependent** means with regards to EEE needing electric currents or electromagnetic fields to fulfill at least one intended function.
- **KSA:** The Kingdom of Saudi Arabia.
- **SASO:** Saudi Standards, Metrology and Quality Organization.
- **Technical Regulation:** A document approved by the Board that specifies the characteristics of products, associated processes and production methods, including the valid applicable administrative provisions, with which compliance is mandatory. It may include or pay attention to terms, definitions, packaging, and requirements of markings or labelling for products, services, processes or production methods.
- **Standard:** A document approved by the Board that provides, for regular and recurring use, non-mandatory rules, 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
- **Supplier:**
  - - A product manufacturer, in case that he is resident in KSA, or the person identified as the manufacturer of the product, through linking the product to their name, or to a relevant commercial description, or any person who provides a product renewal.
  - - An agent, if the manufacturer is resident outside KSA or an importer in the absence of an agent of the manufacturer.
  - - Any person in the supply chain, whose activities may affect the product properties.
- **Notified Bodies:** Conformity Assessment Bodies, notified 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.
- **Hazardous Materials in Electrical Appliances:** Chemicals that are used in some electrical and electronic devices, and their danger lies in being either radioactive or scattered during use, which may cause damage to the health of the consumer and the environment.
- **Industrial Controls and Surveillance:** monitoring and control instruments designed for exclusively industrial or professional use.
- **Large-scale stationary industrial tools:** Any large-scale assembly of machines, equipment, and/or components, functioning together for a specific application, permanently installed and uninstalled by professionals at a given place, and used and maintained by professionals in an industrial manufacturing facility or research and

development facility

- **Large Scale Fixed Installation:** large-scale combination of several types of apparatus and, where applicable, other devices, which are assembled and installed by professionals, intended to be used permanently in a pre-defined and dedicated location, *and uninstalled by professionals*
- **Hazard(s):** A potential source of harm.
- **Risk(s):** A potential risk causing damage; associated with the severity of damage.
- **Type:** One or more devices made to a certain design and material that meets certain specifications.

### Scope

SASO RoHS technical regulation covers all electrical and electronics equipment and spare parts intended for use on the Saudi market.

### Regulated Products Categories

SASO RoHS technical regulation applies to all electrical and electronics equipment and spare parts for the following categories, which are placed on the KSA market whether manufactured inside the Kingdom or imported from abroad:

1. Large and small home appliances
2. Information and communication technology equipment
3. Lighting equipment
4. Electrical and electronics tools and equipment
5. Games, entertainment devices and sports equipment
6. Monitoring and control tools

### Exempted Products Categories

1. All materials excluded from the application of Hazardous Material Limits include in Annex (1-A) of the SASO RoHS Technical Regulation
2. Medical Equipment
3. Military weapons and equipment
4. Large-scale stationary industrial tools
5. Large-scale fixed installations

**TABLE 1 – REGULATED PRODUCT CATEGORIES**

No	Category	Sub-Category
1	Large and small home appliances	<ul style="list-style-type: none"> <li>• Large cooling appliances</li> <li>• Refrigerators</li> <li>• Freezers</li> <li>• Other large appliances used for refrigeration, conservation and storage of food</li> <li>• Washing machines</li> <li>• Clothes dryers</li> <li>• Dish washing machines</li> <li>• Cooking</li> <li>• Electric stoves</li> <li>• Electric hotplates</li> <li>• Microwaves</li> <li>• Other large appliances used for cooking and other processing of food</li> <li>• Electric heating appliances</li> <li>• Electric radiators</li> <li>• Other large appliances for heating rooms, beds, seating furniture</li> <li>• Electric fans</li> <li>• Air conditioner appliances</li> <li>• Other fanning, exhaust ventilation and conditioning equipment</li> <li>• Vacuum cleaners</li> <li>• Carpet sweepers</li> <li>• Other appliances for cleaning</li> <li>• Appliances used for sewing, knitting, weaving and other processing for textiles, irons, and other appliances for ironing, mangling and other care of clothing</li> <li>• Toasters</li> <li>• Fryers</li> <li>• Grinders, coffee machines and equipment for opening or sealing containers or packages</li> <li>• Electric knives</li> <li>• Appliances for hair-cutting, hair drying, tooth brushing, shaving, massage and other body care appliances</li> <li>• Clocks, watches and equipment for the purpose of measuring, indicating or registering time</li> <li>• Scales</li> </ul>

<p>2</p>	<p><b>Information and communication technology equipment</b></p>	<ul style="list-style-type: none"> <li>• Centralized Data Processing:             <ul style="list-style-type: none"> <li>• Mainframes</li> <li>• Minicomputers</li> <li>• Printer units</li> </ul> </li> <li>• Personal Computing:             <ul style="list-style-type: none"> <li>• Personal computers (CPU, mouse, screen and keyboard included)</li> <li>• Laptop computers (CPU, mouse, screen and keyboard included)</li> <li>• Notebook computers</li> <li>• Notepad computers</li> </ul> </li> <li>• Printers</li> <li>• Copying equipment</li> <li>• Electrical and electronic typewriters</li> <li>• Pocket and desk calculators</li> <li>• Other products and equipment for the collection, storage, processing, presentation, or communication of information by electronic means user terminals and systems</li> <li>• Facsimile</li> <li>• Telex</li> <li>• Telephones</li> <li>• Pay telephones</li> <li>• Cordless telephones</li> <li>• Cellular telephones</li> <li>• Answering systems</li> <li>• Other products or equipment of transmitting sound, images or other information by telecommunications</li> </ul>
<p>3</p>	<p><b>Electrical and electronics tools and equipment</b></p>	<ul style="list-style-type: none"> <li>• Drills</li> <li>• Saws</li> <li>• Sewing machines</li> <li>• Equipment for turning, milling, sanding, grinding, sawing, cutting, shearing, drilling, making holes, punching, folding, bending or similar processing of wood, metal and other materials</li> <li>• Tools for riveting, nailing or screwing or removing rivets, nails, screws or similar uses</li> <li>• Tools for welding, soldering or similar use</li> <li>• Equipment for spraying, spreading, dispersing or other treatment of liquid or gaseous substances by other means</li> <li>• Tools for mowing or other gardening activities</li> </ul>

4	<b>Lighting equipment</b>	<ul style="list-style-type: none"> <li>• Luminaires for fluorescent lamps with the exception of luminaires in households</li> <li>• Straight fluorescent lamps</li> <li>• Compact fluorescent lamps</li> <li>• High intensity discharge lamps, including pressure sodium lamps and metal halide lamps</li> <li>• Low pressure sodium lamps</li> <li>• Other lighting or equipment for the purpose of spreading or controlling light with the exception of filament bulbs</li> </ul>
5	<b>Games, entertainment devices and sports equipment</b>	<ul style="list-style-type: none"> <li>• Electric trains or car racing sets</li> <li>• Handheld video game consoles</li> <li>• Video games</li> <li>• Computers for biking, diving, running, rowing, etc.</li> <li>• Sports equipment with electric or electronic components</li> <li>• Coin slot machines</li> </ul>
6	<b>Monitoring and control tools</b>	<ul style="list-style-type: none"> <li>• Smoke detector</li> <li>• Heating regulators</li> <li>• Thermostats</li> <li>• Measuring, weighing or adjusting appliances for household or as laboratory equipment</li> <li>• Other monitoring and control instruments used in industrial installations, (e.g. in control panels)</li> </ul>



**TABLE 2 – RESTRICTED SUBSTANCES AND LIMITS: SASO RoHS Technical Regulation**

Substance	Restriction Limit
<b>Restricted Substances</b>	
Lead (Pb)	0.1%wtg/ 1000ppm
Mercury (Hg)	0.1%wtg/ 1000ppm
Hexavalent Chromium (Cr6+)	0.1%wtg/ 1000ppm
Cadmium (Cd)	0.01%wtg/ 100 ppm
Polybrominated biphenyl ethers (PBDE)	0.1%wtg/ 1000ppm
Polybrominated biphenyls (PBB)	0.1%wtg/ 1000ppm

**TABLE 3 – EXEMPTED PRODUCTS CATEGORIES**

Standard	Title of Standard
<b>Medical Equipment</b>	<ul style="list-style-type: none"> <li>▶ Radiotherapy equipment</li> <li>▶ Cardiology equipment</li> <li>▶ Dialysis equipment</li> <li>▶ Pulmonary ventilators</li> <li>▶ Nuclear medicine equipment</li> <li>▶ Laboratory equipment for in-vitro diagnosis</li> <li>▶ Analyzers</li> <li>▶ Freezers</li> <li>▶ Fertilization tests</li> <li>▶ Other appliances for detecting, preventing, monitoring, treating, alleviating illness, injury, or disability</li> </ul>
<b>Military weapons and equipment</b>	Equipment which is necessary for the protection of the essential interests of the security of the country, including arms, munitions and war material intended for specifically military purposes
<b>Large-scale stationary industrial tools</b>	Large-scale assembly of machines, equipment, and/or components, functioning together for a specific application, permanently installed and uninstalled by professionals at a given place and used and maintained by professionals in an industrial manufacturing facility or research and development facility.
<b>Large-scale fixed installations</b>	Large-scale combination of several types of apparatus and, where applicable, other devices, which are assembled and installed by professionals, intended to be used permanently in a pre-defined and dedicated location, and uninstalled by professionals.

**TABE 4 – CONFORMITY ASSESSMENT – MANDATORY STANDARDS**

Standard	Title of Standard
<b>IEC 63000: 2016</b>	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
<b>IEC/TR 62476: 2010</b>	Guidance for evaluation of product with respect to substance-use restrictions in electrical and electronic products
<b>IEC 62474: 2018</b>	Material declaration for products of and for the electrotechnical industry
<b>IEC 62321-1: 2013</b>	Determination of certain substances in electrotechnical products - Part 1: Introduction and overview
<b>IEC 62321-2: 2013</b>	Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation
<b>IEC 62321-3-1: 2013</b>	Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
<b>IEC 62321-3-2: 2013</b>	Determination of certain substances in electrotechnical products - Part 3-2: Screening - Total bromine in polymers and electronics by Combustion - Ion Chromatography
<b>IEC 62321-4: 2017</b>	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS
<b>IEC 62321-5: 2013</b>	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS
<b>IEC 62321-7-1: 2015</b>	Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion-protected coatings on metals by the colorimetric method
<b>IEC 62321-7-2: 2017</b>	Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method

# RoHS REGULATIONS

## FOR EEE

SASO RoHS Technical Regulations for EEE detail a risk-based approach and obligations for economic operators to meet product (material) requirements of a conformity assessment process. The articles which form the SASO RoHS Technical Regulation and product conformity process guidance follows that identical route taken by European authorities, which is based on a risk-based process, except that under the SASO RoHS program the conformity assessment process is undertaken and verified by a 3rd party Notified Body who will then in turn certify product conformity.

- Product (Materials) conformity assessment is achieved by meeting the requirements of the normative reference standards listed within the Technical Regulation for SASO RoHS Technical Regulation.

**TABLE 5 – PROBABILITY OF THE PRESENCE OF CERTAIN SUBSTANCES IN MATERIALS AND COMPONENTS USED IN ELECTROTECHNICAL PRODUCTS (IEC 62321-2:2013)**

Components and materials	Certain Substances <sup>a</sup>						Number of homogeneous materials <sup>b</sup>	Remarks
	Hg	Cd	Pb	Cr(VI)	PBBs	PBDEs		
<b>Mechanical parts</b>								
Framework– metal							1	Unpainted
Housing– plastic	L	L	L	L	L	M	1	
Power cord/cable	L	H	H	L	L	M	>1	
Thick film sensor	L	H	M	L	L	M	>1	
Heatsink	L	L	L	L	N/A	N/A	1	
Screw, washer, fastener– metal	L	M	M	H	N/A	N/A	1 and>1	Some are coated e.g. black and yellow chromate
Glass– CRT, lamp glass-to-metal seal	L	M	H	L	N/A	N/A	>1	Pb in glass could be exempted
Phosphorescent coating (e.g., CRT)	L	H	L	L	N/A	N/A	>1	
LCD panel /screen	H	L	H	H	L	L	>1	
Plasma panel /screen	H	L	H	H	L	L	>1	Pb in glass could be exempted
Lamps, backlight	H	L	H	M	N/A	N/A	>1	Hg used in backlights could be exempted
Magnetic head	L	L	H	M	N/A	N/A	>1	

### Manufacturers Risk Assessment – IEC 63000

The outputs from the manufacturer's risk assessment (identification of risk levels in respect to homogenous material layers) are incorporated into a materials control plan to define materials (component level) control measures and acceptance levels of material declarations from the supply chain, IEC 62476 refers (Supplier Declarations of Conformity levels of material information – Risk level of Declaration of Conformity Grouping 1 – 3).

- a. The implemented Material Control Measures (Control Plan) is to meet the requirements of IEC 63000. (Technical Documentation requirements for the assessment of EEE in respect to restricted hazardous materials).
- b. For verification of high-level risk components, it is expected that these components are subject to Product Verification Testing using test methodologies outlined in the IEC 62321 series standards.
- c. Upon meeting the SASO RoHS requirements, the manufacturer will draw up a Declaration of Conformity as well as, if applicable, an Importer Declaration of Conformity.
- d. Product application and registration is conducted by a SASO appointed Notified Body
- e. On successful conformity assessment the Notified Body shall issue a Certificate of Conformity, valid for one year.

### Role of the Manufacturer/Importer

The manufacturer/importer is obliged to ensure that the presented Type product is manufactured accordingly and once placed onto the market, meets the requirements of the SASO RoHS Technical Regulation.

The Manufacturer/Importer shall:

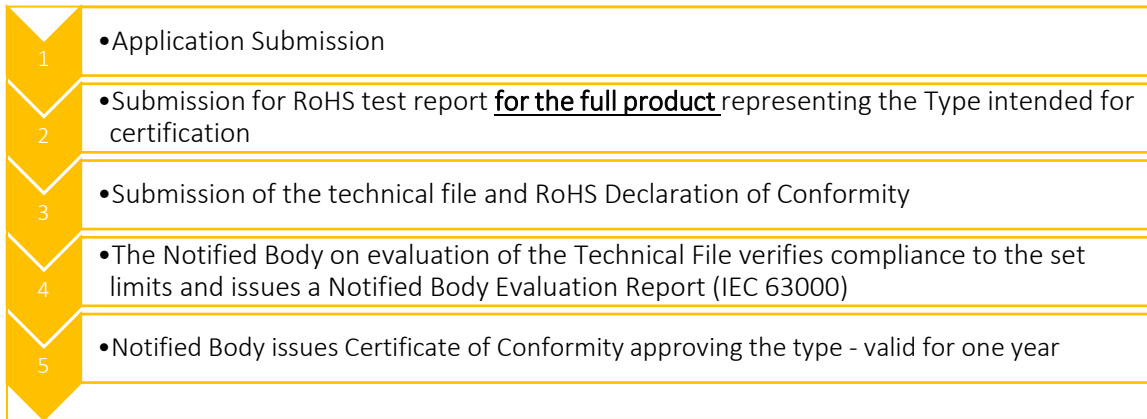
- Establish Technical Documentation (Technical File) for each model or range of product
- Draw up a Manufacturers/Importers Declaration of Conformity
- Be or contract a registered authorized agent (Importers Certificate of Registration in the KSA
- Specify address of the place of manufacture and storage of the product

### Applied Standards

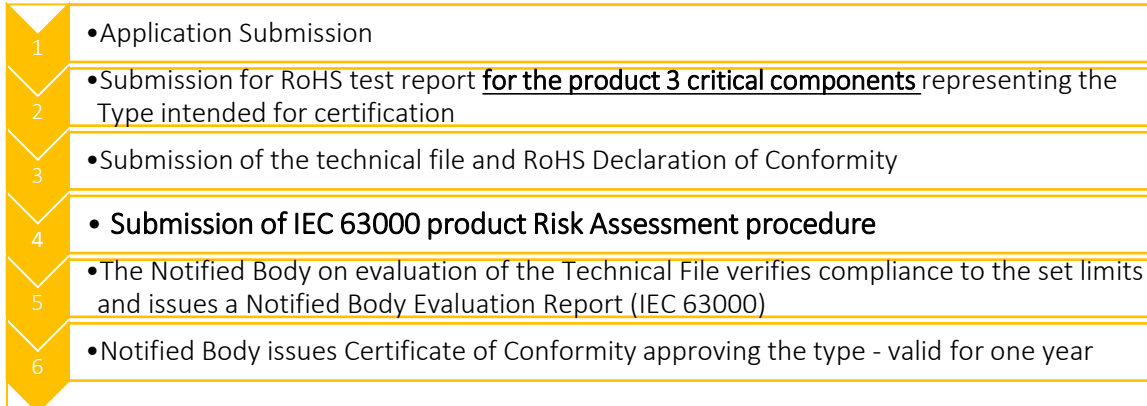
- IEC 63000:2016: Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.
- IEC 62474: Material Declaration for Products of and for the Electrotechnical Industry
- IEC TR 62476:2010 Guidance for evaluation of product with respect to substance-use restrictions in electrical and electronic products
- IEC 62321-1:2013 Determination of certain substances in an Electrotechnical product

# SASO RoHS CONFORMITY ASSESSMENT PROCESS

## Option A:



## Option B:



**Figure 1.0: Intertek’s test/certification process for Issuance of SASO RoHS Certificate of Conformity for option 1 and option 2**

Fig 1.0: Intertek Internal Certification Process Flow– ISO/ IEC17065



### Certification Critical Workflow– ISO/IEC 17065, Clause7

The certification process to be followed by the Intertek Notified Bodies will be in line with the workflow as described under Clause 7, ISO/IEC 17065 in that five principle (5) steps will be undertaken:

- **Quotation** (Based upon customer requirements and supplied information)
- **Certification Application Review** (Review of application and produce Certification Plan)
- **Evaluation** (Testing conducted in accordance with ISO/IEC 17025)
- **Certification Review** (Technical Review of Test Reports and Technical File)
- **Final Decision** (Grant of Certification, Certificate of Conformity Issuance)

### Technical File Content (Option A):

The content of the technical file required for the conformity assessment procedure specified in the SASO RoHS Technical Regulation as follows:

- Filled in application form
- Signed certification agreement
- Production Quality Plan
- Construction design drawings
- Bill of Material (BoM) including material specification sheet
- RoHS test report (IEC 62321 series of standards)
- ISO QMS certificate/QMS
- Declaration of EEE Similarity
- Product Identity Declaration (PID) where applicable
- RoHS Declaration of Conformity
- User manual
- Product rating label

### Technical File Content (Option B):

- Filled in application form
- Signed certification agreement
- **RoHS product Risk Assessment IEC 63000**
- Production Quality Plan
- Construction design drawings
- Bill of Material (BoM) including material specification sheet
- RoHS test report (IEC 62321 series of standards)
- ISO QMS certificate/QMS
- Declaration of EEE Similarity
- Product Identity Declaration (PID) where applicable
- RoHS Declaration of Conformity
- User manual
- Product rating label

### Product Registration Procedure

- Product shall be registered after a full confirmation that the product is complying with the requirements of the relevant IEC 63000/IEC 62321 Standards.
- Where the results of test showed that product is not complying with the requirements, the client needs to rectify the observed non-compliances and can reapply once rectification is made.
- SASO RoHS Certificate of Conformity shall be issued to the product/Type upon the fulfilment of all the requirements.

### Intertek's Acceptance of Third-Party Test Reports

Intertek will accept third party test reports providing that the following conditions are met:

1. The report is issued by an ISO/IEC 17025 ILAC signatory or a test report conducted at lab with prior approval from Notified Body.
2. The reference standards used within the third-party report are IEC standard in accordance with SASO RoHS Technical Regulation
3. The reference standards used do not have a date of withdrawal within one (1) year
4. All un-accredited RoHS test reports prior to application shall undergo an acceptance process by Intertek

### SASO RoHS Certificate of Conformity

Upon satisfactory completion of the Testing and Certification or sole Certification program, Intertek shall issue to the customer the SASO RoHS Certificate of Conformity, which authorizes the applicant to proceed with SASO SABER product registration.

### Certificate Modification Process

On a design modification to the product, such as a component change or the addition of an alternative component, the addition of new models to the existing certificate, or a change in the manufacturing process which affects conformity of the product, the manufacturer shall in all cases contact the issuing Notified Body. Per that process, the product shall in all cases undergo a Certification Review and Certification Decision to determine that requirements are met.

### Certificate Renewal Process

- Per the requirements of the SASO RoHS Program, Intertek shall contact the client 30 days prior to the Certificate of Conformity validity expiry date to verify and confirm that Certificate renewal is required. The product and Technical File shall undergo an evaluation and technical review to ensure that the requirements are still being met.
- The validity of the issued RoHS certificate is 1 year. Certificate renewal is based on the applicant submitting a signed declaration of No Change to:

- construction build of the product EEE
- manufacturing process
- If no technical changes to the reference standard(s) that affect the product are noted, SASO RoHS Certificate of Conformity shall be issued– (e.g., new certificate.)
- If technical changes to SASO RoHS Certificate of Conformity are identified either through a design change or due to technical changes in the reference standard(s), the product may well be required to be submitted for either full or limited scope of testing.
- SASO RoHS Certificates of Conformity not renewed beyond the one (1) year validity date shall be automatically terminated.

### SASO RoHS Technical Regulation Implementation Timelines

SASO RoHS guidelines has set dates for implementation of the published RoHS regulation in stages based on product category as specified in Table 5

Table 5 : Mandatory implementation dates for new products put on the market.	
Activity	Enforcement Dates
Small Appliances	05 January 2022
Large Appliances	
Telecommunication and Information Technology Equipment	
Lighting Equipment	
Electrical and electronic equipment and tools	
Toys and Entertainment tools and appliances and Sports equipment	
Tools for monitoring and control	

**Note:** Products placed in the market before the mandatory implementation date( Table 5), have 365 days to get the product certified.

### Misuse of the SASO RoHS Certificate of Conformity and Penalties or Non-Compliance

Intertek reserves the right to suspend and/or terminate certification based on misuse of the Certificate of non-Conformity in the case of, but not limited to:

- Non-payment of fees
- Altering or defacing the issued Certificate of Conformity
- Placing onto the market a model which has not been approved
- Placement of a non-conforming product onto the market
- Product identified by market surveillance as non-conforming
- Product found to be non-conforming on submittal to a Notified Body for verification of conformity

**Note:** Full terms can be found in the Certification Agreement; these terms are accepted upon signing of the Certification Application Form.



### Technical File Maintenance

Applicant obligation to ensure the certified product to Type is kept up to date and are obliged to inform the issuing body of any changes.

### Challenges for Manufacturers (simplify- support – consultancy)

Manufacturers/importers/agents within the electrical/electronic industry who import Electrical Electronic Equipment and Devices into the KSA are currently experiencing market/regulatory transitions, ranging from requirements to lower their products' energy consumption levels to achieve greater energy efficiency to regulations enforcing the use of more environmentally-friendly materials in tandem with numerous new testing procedures to certify compliance. All of these changes will consume R&D and engineering talent, involve the dedication of additional time and resources as well as potential investments in product redesign, and require attention to new testing procedures in order to ensure product compliance by the specific dates. Manufacturers/importers/agents may need to source new materials, pursue new safety certifications, reassess their entire manufacturing process, and re-test units – all potentially time-consuming and tedious processes required to ensure that their product is compliant by the specified deadlines.

As part of a proactive response to these industry dynamics, manufacturers/importers/agents are encouraged to plan for the changes by understanding the new standards and procedures required by regulatory bodies, how they apply to their products, and whether their products do or don't comply. As such, manufacturers are encouraged to be proactive to help ensure a smooth, accurate, and executable transition to the new standards/regulations as well as to plan out the necessary redesign and/or certification activities they'll need to undertake to ensure their product's compliance and ability to be placed in the KSA market.

### Inspection and Market Monitoring

- EEE are being inspected at Port of entry; only consignments having valid SASO RoHS Certificate of Conformity are allowed to enter the country.
- Consignment without the SASO ROHS Certificate of Conformity can be held in quarantine.
- Ports and Customs authority shall coordinate with SASO whenever a consignment without SASO RoHS certificate is observed. Appropriate action shall be taken by SASO and the Ports and Customs Authorities.
- Products manufactured in KSA are monitored in the factory, warehouses, and in retail shops.
- Only products with SASO Registration are allowed to be traded in the KSA.
- Registered products being delivered to KSA shall be inspected to ensure continuous compliance. SASO reserves the right to conduct inspection of the product being distributed in the market. SASO shall conduct a regular monitoring of product where SASO shall take samples either at the retail shops or the manufacturer's warehouse for independent testing. The result of test shall be the basis whether to continue or stop the registration of the product.
- SASO also reserves the right to conduct factory inspection at any time to ensure full Compliance of the product, among other things, the factory inspection shall include the process and product verification of the product and the manner in which the product is carefully inspected and handled.
- All fees related to market sampling and testing shall be paid by the manufacturer/supplier.

## Fees

Detailed on Application

## The Critical Role of Third-Party Quality Assurance

In the changing KSA market for low voltage products, the ability of a manufacturer/importer/agent to certify that its products comply with all relevant SASO standards helps meet corporate sales targets and assures end users that those products comply with performance, safety, and energy standards and are qualified for specific end-use applications. Because specific standards and submission procedures can be very tedious and precise to administer but are highly critical to a company's growth and sales objectives, manufacturers/importers/agents are advised to avail themselves of a skilled third-party testing organization with expertise in the standards-setting, testing, and compliance processes to ensure maximum success.

Accredited third-party safety and performance testing organizations like Intertek can help take the guesswork out of the all-important process of testing and the pursuit and successful achievement of compliance. Intertek's possession of and investment in the highest-tech and most precise and capital-intensive testing equipment ensures consistent testing procedures and accurate results, while their demonstrated expertise in the unique details and current requirements of all industry certification programs and initiatives globally assures manufacturers/importers/agents of the utmost in quality coverage and representation. Along with the relationships they've established with all of the industry's key certifying organizations over the years, Intertek's exceptional understanding of and experience with the broad range of products, industries, standards, and testing procedures worldwide can proactively support a manufacturer's compliance while delivering security and peace of mind to both manufacturers and customers alike.



Intertek is a leading Total Quality Assurance provider to industries worldwide. Our network of more than 1,000 laboratories and offices and more than 100 countries delivers innovative and bespoke Assurance, Testing, Inspection and Certification solutions for our customers' operations and supply chains. Intertek Total Quality Assurance expertise, delivered consistently with precision, pace and passion, enabling our customers to power ahead safely.

#### FOR MORE INFORMATION



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