

APPLICANTS AND MANUFACTURERS GUIDANCE

EMIRATES CONFORMITY ASSESSMENT SCHEME (ECAS): LOW VOLTAGE EQUIPMENT (LVE)

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INTRODUCTION

In an effort to enhance safety, implement energy efficiency measures, and protect the environment, the Government of the United Arab Emirates (U.A.E.) introduced mandatory regulatory controls on specific product placed onto the market. The U.A.E. Ministry for Commerce and Industry-issued Federal Law No. 28 identified technical regulations to be introduced under a mandatory regulatory program called the 'Emirates Conformity Assessment System' (ECAS). The program is to be overseen and managed by the sole appointed regulatory body, the 'Emirates Standards & Metrology Authority' (ESMA).

The ECAS program covers safety, energy efficiency, and environmental requirements for electrical products, electronic devices, and certain gas products; those products identified to meet energy efficiency requirements are subject to a separate program called 'Energy Efficiency Standards – Labelling' (EESL).

In 2017, ESMA announced environmental measures introduced under U.A.E. Cabinet Order No: 10, which is effective January 1st, 2018. This technical regulation has been aptly called 'ECAS RoHS' and consequently identifies the same substances and restriction levels as EU RoHS; the main difference is the conformity assessment approach under ISO / IEC 17067, which identifies a Type 1 and Type 3 option.

The ECAS program for Electrical Safety, which is the focus of this document, mandates UAE.S and IEC Standards as a means of supporting and meeting requirements of the regulation. The conformity assessment process for electrical safety gives a presumption of conformity in meeting the requirements of the IECCE CB scheme. On meeting the requirements of a regulation, an ECAS Certificate of Conformity is issued. If the product is subject to a factory inspection as a requirement of a regulation or the applicant wishes to apply the Emirates Conformity Mark (EQM), the manufacturer is subject to a factory inspection as verification of Type.

As a leading global expert in and provider of assurance, testing, inspection, and certification services with a network of laboratories and local country offices worldwide, Intertek as a notified body (NB0007) has prepared the following guidance document on the U.A.E. ECAS program relative to 'Low Voltage Products' to assist manufacturers/importers/agents who import Electrical Electronic Equipment and Devices into the United Arab Emirates in understanding and complying with the U.A.E.'s mandatory regulatory conformity assessment requirements for Low Voltage Products. This document includes coverage of compliance obligations, the certification process, requirements for meeting the mandatory ECAS requirements for placement of lowvoltage electrical equipment and appliances into the Emirates 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 U.A.E. region.



علامة الجودة الإماراتية
Emirates Quality Mark

TECHNICAL REFERENCES & TERMS

Introduction

The Low Voltage technical regulations define the criteria for product registration under the Emirates Conformity Assessment Scheme (ECAS) being implemented by the Emirates Standardization and Metrology Authority (ESMA). The requirements defined in this document are issued for the information, guidance, and compliance of manufacturers and importers intending to promote, import and place their products onto the United Arab Emirates market.

Objective

The United Arab Emirates shall take all appropriate measures to ensure that electrical equipment may be placed on the market or put into service only if, having been constructed in accordance with good engineering practices in safety matters prevailing in the International Community, it does not endanger the safety of persons, domestic animals, or property when properly installed and maintained and used in applications for which it was made.

These provisions constitute the essential requirements of the Emirate Conformity Assessment Scheme rules. Before being placed on the market or put into service, the electrical and electronic equipment must meet the following requirements:

- **Technical Requirements** – The electrical and electronic equipment shall be so constructed using sound engineering practices in respect to product safety. The technical requirements of equipment meeting these safety practices are specified in IEC Standards, U.A.E. Standards, or other relevant standards and technical documents.
- **Administrative Requirements** – Compulsory procedures and documents implemented by the manufacturer or his authorized representative are imposed by ESMA (e.g. conformity assessment procedures, marking on the product, technical files, declaration of conformity, and instructions for use).

Scope

Products Covered by this Specific Requirement

- This document prescribes the requirement for the safety of electrical and electronic equipment designation for use with a supply voltage between 50 and 1000 volts for alternating current and between 75 to 1500 volts for direct current. The electrical and electronic equipment under this scope is called “Low Voltage Equipment.”
- This document shall not apply to the products excluded by UAE/IEC 60335-1.

DEFINITION OF TERMS

- **ECAS** – Emirates Conformity Assessment Scheme.
- **ESMA** – The Emirates Authority for Standardization and Metrology; UAE standards body as mandated by Federal Law No. 28. The sole government authority body responsible for implementing ECAS requirements.
- **ECAS Certificate of Conformity** – a certificate of conformity is issued to the product complying to a relevant UAE Standard/s or ESMA-recognized national, regional, or international standards.
- **Emirates Quality Mark (EQM)** – quality mark granted by ESMA indicating the given product complies with the requirements in the approved standards.
- **Mark** – any illustration, symbol, stamp, engraving, or picture appearing on the product which indicates that the product complies with requirements of the standard issued by ESMA or international standards body.
- **Product/s** – any equipment, system, or part which is included in the list of regulated products under this regulation.
- **Supplier** – the manufacturer, importer, including storage operator, wholesale and retail, and any other relevant processes or professionals in the supply chain who may impact the product, or any representative.
- **Conformity Assessment** – any activity to determine directly or indirectly that a process, product, or service meets relevant standards or regulation and fulfils all relevant requirements.
- **Recognized Conformity Assessment Body** – a competent body recognized by ESMA to carry out factory inspection and/or product testing.
- **Approved Standard** – product standard approved by ESMA to be used in verifying conformity of a product.
- **Conformity Certificate** – A certificate issued by a Notified Body to a product ensuring the product complies with scheme requirements.
- **IECEX** – internationally recognized scheme of approving products used for potentially explosive atmospheres.
- **ExCB** – certification body recognized by the IECEX Scheme.
- **IECEX Approved Testing Laboratory** – testing facility recognized under the IECEX Scheme.
- **ExTR** – a test report issued by an IECEX Approved Testing Laboratory.

ECAS REGULATIONS FOR LOW VOLTAGE EQUIPMENT (LVE)

ECAS Technical Regulations for Low Voltage Electrical Equipment detail precise definitions and obligations regarding economic operators for meeting product conformity requirements and procedures.

The articles which form the ECAS Low Voltage Technical Regulation and product conformity guidance have been taken directly from the IECEE CB scheme, in that they make reference to specific IECEE operational documents as requirements and define manufacturers' obligations for product conformity for meeting Low Voltage Equipment requirements.

The Technical Regulations safety objectives for Low Voltage Equipment ensure before being placed onto the market hazard protection concepts, which include:

- **Physical** - the essential electrical characteristics of the product are identifiable and have instructions for use (Arabic language to be included), with considerations to be made for the design, manufacturability, and life cycle capability of the product
- **Electrical** – adequate protection against electric shock or physical injury via direct or indirect contact
- **Thermal** – the product has been designed to ensure that temperature (excessive heat) arcs, radiation, and electromagnetic influences do not cause harm to individuals, property, or the environment
- **Mechanical** – non-electrical hazards such as shock/impact or other influences that will cause physical harm
- **Construction** – the product is designed correctly using suitable materials, electrical insulation, and that all foreseeable misuse conditions are considered
- **Supply** – electrical characteristics of the U.A.E. are considered

Regulated Products

The below ESMA table is only an example taken from the regulated products list; for the full scope of the electrical and gas appliances to be regulated, please download a copy of the Regulated Products list from the ESMA website; it is to be read in conjunction.

PRODUCTS COVERED BY THIS SPECIFIC REQUIREMENTS.		
No.	PRODUCTS	STANDARD/S
1	Water Heater	UAE.S / GSO / IEC 60335-2-21: 2007
2	Extension Cords and Adaptors	UAE.S / GSO / IEC 60884-1: 2007 and Part 2's
3	Electric Irons	UAE.S / IEC 60335-2-3: 2002 5th Ed.
4	Microwave Ovens	UAE.S / GSO / IEC 60335-2-25: 2007
5	Washing Machines and Clothes Dryers	UAE.S / GSO / IEC 60335-2-4: 2007 + A1:2004
6	Electric Stove	UAE.S / IEC 60335-2-9:2004 Ed. 5.1 (for portable appliances) IEC 60335-2-6: 2002 5th Ed. (for stationary appliances)
7	Refrigerators and Chillers and Freezers	UAE S. / IEC 60335-2-24: 2002 6th Ed.
8	Room Air Conditioners	UAE S. / IEC 60335-2-40:2005
9	Household Cooking Appliances	UAE.S IEC 60335-1, UAE.S 60335-2-9, UAE.S 60335-2-13
10	Electromechanical Kitchen Appliances	UAE.S 60335-1, UAE.S 60335-2-14
11	Vacuum Cleaners	UAE.S IEC 60335-1, UAE.S 60335-2-2
12	Fans & Fan Systems including Air-purifiers	UAE.S IEC 60335-1, UAE.S 60335-2-80, UAE.S 60335-2-65
13	Appliances for Heating Liquids	UAE.S IEC 60335-1, UAE.S 60335-2-15
14	Grass Shears/Trimmers	UAE.S IEC 60335-1, UAE.S 60335-2-91, UAE.S 60335-2-94
15	Gas Powered Ovens & Cooking Ranges	UAE.S GSO 1050:2011; UAE.GSO 1049:2011

- Presumption of conformity is achieved by meeting the relevant UAE.S or IEC Standards; or other national standards as required.
- Intertek will accept test reports and certificates such as IECEE CB or other accredited schemes/programs where correlation/harmonization exists and have a validity period not exceeding three (3) years from the date of issue (such as G Mark Type Examination Certificates)
- When a relevant ESMA standard does not exist or has not been published, ESMA will accept the current issued version of IEC standards or where correlation exists to other standards.
- Upon meeting the ECAS requirements, the manufacturer will draw up a Declaration of Conformity, as well as, if applicable, an Importer Declaration of Conformity. Product application and registration is conducted by an ESMA-appointed Notified Body such as Intertek by the applicant submitting a Product Technical File; upon successful conformity assessment, the Notified Body shall upload the ECAS Certificate of Conformity onto the ESMA product registration database; such a registration is valid for one year only.
- When all of the requirements of the ECAS program are met, the low voltage equipment (LVE) is placed upon the market, if a factory inspection is conducted, the product is authorised to bear the Emirates Quality Mark (EQM).

Document Requirements for Certification – Low Voltage Equipment (LVE)

Applicants are required to submit a Technical File that represents the product and contains the following documents:

- Valid IECEE test report and supporting CB certificate (no older than 3 years from the date of issue)
- And/or a valid G Mark Type Examination Certificate issued by a GCC GSO Notified Body
- Manufacturer's/Importers Declaration of Conformity
- User's Manual in Arabic and English language
- Valid importers registration Certificate
- Bill of Materials
- Manufacturers risk assessment
- Technical specifications relating to the operation of the product
- Concept of operation
- Engineering and electrical schematic drawings

Role of the Manufacturer/Importer

The manufacturer/importer is obliged to ensure that the presented Type product manufactured accordingly and placed onto the market meets the requirements of the Low Voltage 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 authorised agent (Importers Certificate of Registration in the U.A.E.)
- Specify address of the place of manufacture and storage of the product
- Provide a list of the UAE.S or IEC standards applied in full or in part

Once all of these requirements have been satisfied and the product has been registered in the electronic registration system, the manufacturer can affix the proper Emirates Quality Mark (EQM) if applicable.

Registration Procedure/Application Submission

Working together with and on behalf of the manufacturer/importer, Intertek, as the appointed Notified Body, shall conduct a review of the application with a view of conducting Certification Process and issue an ECAS Certificate of Conformity and (if applicable) authorize the affixing of the EQM. In parallel, Intertek shall register the product on the ESMA product registration database.

Intertek shall conduct the certification process in accordance with ISI/IEC 17065 mandatory work flow as indicated in Fig 1.2 below, and shall be obliged to conduct an annual technical review based on changes to:

- a) ECAS-certified product
- b) Revision of IEC standards (Safety & Performance - EE)

Issue new certificate annually based on review of a and b

- All product shall undergo a full re-test, inspection, and certification at the 3-year point from the date of issue of supporting test reports.

Conformity Assessment Procedure

- Upon the acceptance of the Application, product shall be evaluated according to a relevant conformity assessment scheme which is written in clause no. 6 of the ECAS General Requirements
- Product shall be defined accordingly and appropriate schemes shall be implemented based upon the risk brought about by the product
- Samples shall be tested as required to relevant standards.
- Samples shall be tested by an recognized third party testing laboratory such as Intertek
- Applicant shall bear all of the cost related to the conformity assessment of the product

Intertek has broken down the steps described above in a visual flow.

Figures 1.0- 1.1: Intertek test/certification program for Issuance of ECAS Certificate of Conformity

Fig 1.0: ECAS CAP - Low Voltage Equipment (Safety) Based on a Type / Systems 1

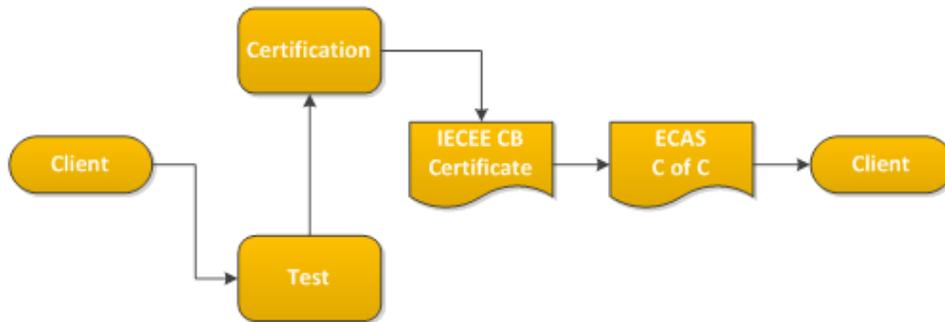


Fig 1.0:

Fig 1.1: ECAS CAP - Low Voltage Equipment (Safety and EER – EESL) Based on a Type / Systems 3 process incorporating an annual factory inspection

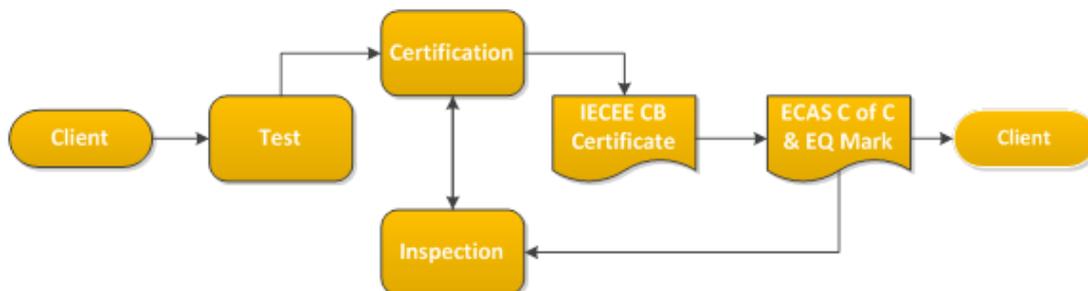


Fig 1.1

EMIRATES CONFORMITY ASSESSMENT SCHEME (ECAS): LOW VOLTAGE EQUIPMENT (LVE)

REGULATED PRODUCTS

For regulated products, manufacturers must choose a single Notified Body (NB) entity, such as Intertek, to examine the technical design of a product and verify that the technical design of the product meets the requirements of the applicable ECAS regulations and, for the issuance of an evaluation report, has an ECAS Certificate of Conformity. The Notified Body must also ensure that the manufacturing process has a production quality system implemented in order to confirm that the product is being manufactured in accordance with the technical specifications.

The product manufacturer must still create a Technical Documentation file for each model of product, and this documentation must still include a risk analysis/assessment report and test reports among other additional documentation requirements noted for regulated products above, but with the additional inclusion of the Notified Body-issued Certificate of Conformity.

Language and Storage Guidelines: Regulated Products

The Technical Documentation must be drawn up in the Arabic language; if this is not possible, documents in English can be submitted after the approval of the Competent National Authorities in the U.A.E. Additionally, the manufacturer must keep the Technical Documentation at the disposal of the Competent National Authorities for 10 years after the electrical equipment has been placed on the market.

Product Registration Procedure

Product shall be registered after full confirmation that the product is complying with the requirements of the relevant IEC or UAE Standard and by specific requirement identified within the LVE Technical Regulation .

- 9.1 Where the results of test showed that product does not comply with the requirements, the client needs to rectify the observed non-compliances and can reapply once rectification is made.
- 9.2 An ECAS Certificate of Conformity shall be issued to signify that the product has met all requirements.

INTERTEK CERTIFICATION/NOTIFIED BODY

Intertek currently has a Notified Body accredited by the GAC under ISO/IEC 17065 and notified by ESMA (NB0007) for issuance of a ECAS Certificate of Conformity. Manufacturers/importers/agents can apply for an ECAS Certificate of Conformity through this or any Intertek Electrical & Network Assurance (ENA) Office.

Certification Critical Work Flow – ISO/IEC 17065, Clause 7

The certification process to be followed by the Intertek Notified Body will be in line with the work flow 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, update of ESMA Registration Database, issuance of ESMA/ECAS registration number)

INTERTEK ECAS NOTIFIED BODY & SUPPORTING CERTIFICATION BODY LOCATIONS

ECAS NOTIFIED BODY

Intertek International Ltd Dubai Branch
Millennium Plaza Tower, 14th & 15th
Floors
Sheikh Zayed Road
P.O. Box 26290
Dubai, U.A.E.
Tel: +971 (4) 3178777
Fax: +971 (4) 3316883

ECAS PROGRAMS – GLOBAL LOCATIONS & CONTACT INFORMATION

EUROPE, THE MIDDLE EAST, AND AFRICA

intertek.com/contact/ema/

NORTH AND SOUTH AMERICA

intertek.com/contact/americas/northandsouthamerica/

ASIA PACIFIC

intertek.com/contact/asiapacific/

EMIRATES CONFORMITY ASSESSMENT SCHEME (ECAS): LOW VOLTAGE EQUIPMENT (LVE)

Intertek 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 IECEE report and accompanying CB certificate
2. The IECEE report and CB Certificate is not older than 3 years from the date of issue
3. The reference standards used within the third party report are IEC standards that on review is deemed valid by the Notified Body and covers the national deviations defined within ECAS Regulation for Low Voltage Electrical Equipment for the U.A.E.
4. The reference standards used don't have a date of withdrawal within one (1) year.

Intertek Acceptance of Third Party Certification

Intertek will accept third party certification issued for the ECAS Certificate of Conformity such as IECEE CB Certificate or G mark (where appropriate).

The Certification is issued by an accredited ISO/IEC 17065 body or IECEE NCB and is representative of the product series or range

1. Certificate validity is in date with a minimum of three (3) years remaining
2. No date of withdrawal against the reference standard(s) within (1) year of validity expiry
3. The valid Certificate is accompanied with a representative Technical File that meets the requirements of ECAS Regulation for Low Voltage Electrical Equipment and Appliances,
4. Reference standard(s) used are representative of the product and deemed suitable by Intertek
5. In all cases Intertek shall ensure essential safety requirements are met before making a certification authorization decision

Intertek-Issued ECAS Certificate of Conformity

Upon satisfactory completion of the Testing and Certification or sole Certification program, Intertek shall issue to the customer the ECAS Certificate of Conformity, which authorizes the applicant to apply and use the ECAS Conformity Mark.

- The ECAS Conformity Mark as shown below shall be displayed on the product, on user instructions, and on the packaging in accordance ESMA marking guidelines. On product that is too small to carry the designation, the ECAS Conformity Mark at a minimum shall be placed on user instructions and packaging.
- The ECAS Certificate of Conformity shall make reference to the representative ECAS product characteristics and supplied supporting Technical File in respect to being written in the English language.
- Products already certified under the G Mark program and display the G Mark of conformity shall not bear the ECAS mark of conformity, but an ECAS Certificate of Conformity is still required.

ECAS Mark Certificate Modification and Renewal Process

On a design modification to the product such as a component change, the addition of an alternative component, the addition of new models to the existing certificate, or a change in the manufacturing process which affects the safety or performance 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 Essential Safety Requirements are met.

Per the requirements of the ECAS Program, Intertek shall contact the Client prior to the one (1) year ECAS validity expiry date to verify and confirm that Certificate Renewal is required. If renewal is required:

- The product (sample) and Technical File shall undergo a design and technical review to ensure that the Essential Safety Requirements are still being met

EMIRATES CONFORMITY ASSESSMENT SCHEME (ECAS): LOW VOLTAGE EQUIPMENT (LVE)

- The reference standard(s) used for electrical safety presumption of conformity shall be verified
- If no technical changes to the reference standard(s) that affect the product are noted, ECAS Certificate of Conformity shall be issued – (e.g., new certificate, ECAS registration database updated, etc.)
- If technical changes to ECAS 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
- ECAS Certificates of Conformity not required beyond the one (1) year validity date shall be withdrawn and the ECAS registration database updated
- In the event of technical changes to standard(s) which affect safety during the Certificate of Conformity validity period, the applicant will be informed of the technical changes and advised of the appropriate actions to take.

ECAS Conformity Marking

The license to use the ECAS Mark of Conformity (ECAS Mark) is given to companies manufacturing certified products. Below are examples of the ECAS mark to be affixed to certified product. The numerals indicate which Notified Body authorised the use of the mark. The Intertek Notified Body unique reference number is NB-0007.



Conformity Marking Enforcement Timelines

Activity	Enforcement Dates
Enforcement of affixing of ECAS Conformity Mark	01 March 2018
Market Surveillance check for correctly-marked certified products	01 March 2018
Self-adhesive labels on Certified Products placed in U.A.E. market	Until December 31, 2018
Enforcement of Printed ECAS Mark (no separate adhesive labels permitted)	January 1, 2019

Misuse of the ECAS Certificate of Conformity/ECAS Conformity Mark/Emirates Quality Mark and Penalties for Non-Compliance

Intertek reserves the right to suspend and/or terminate certification based on misuse of the ECAS Conformity or Emirates Quality Mark 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 ECAS-approved and bears the ECAS Mark
- Placement of non-conforming product onto the market
- Product identified by market surveillance as non-conforming

EMIRATES CONFORMITY ASSESSMENT SCHEME (ECAS): LOW VOLTAGE EQUIPMENT (LVE)

- Product found to be non-conforming on submittal to a Notified Body for verification of conformity

Note: Full terms and use of the Mark can be found in the Intertek Certification Agreement; these terms are accepted upon signing of the Certification Application Form

Technical File Maintenance

Intertek recognizes that changes to a product or manufacturing process can happen at any time. However, the applicant is advised that if design changes are made which warrant document updates, Intertek should be advised, as this makes the technical file review in relation to the product build much easier when carrying out a certificate renewal or when conducting subsequent technical reviews.

CHALLENGES FOR MANUFACTURERS

Manufacturers/importers/agents within the electrical/electronic industry who import Electrical Electronic Equipment and Devices into the United Arab Emirates are currently experiencing a market/regulatory transition – 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 U.A.E. market.

INSPECTION AND MARKET MONITORING

- Low Voltage Equipment are being inspected at Port of Entry. Only consignments having valid registered ECAS Certificates of Conformity, with product displaying valid ECAS Mark of Conformity are allowed to enter the country.
- Consignment without the ECAS Certificate of Conformity can be held in quarantine. Ports and Customs authority shall coordinate with ESMA whenever a consignment without ECAS certificated is observed. Appropriate action shall then be taken by both ESMA and the Ports and Customs Authorities.
- Products manufactured in U.A.E. are monitored in the factory, warehouses, and in retail shops. Only products with ECAS Mark of Conformity and Certification Registration are allowed to be traded in the U.A.E.
- Registered products being delivered to U.A.E. shall be inspected to ensure continuous compliance. ESMA reserves the right to inspect and conduct inspection of the product being distributed in the market. ESMA shall conduct a regular monitoring of product where ESMA shall take samples either at the retail shops or the manufacturer's warehouse for independent testing. The result of test shall be the basis of whether to continue or stop the registration of the product.
- ESMA 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

MARKET ACCESS TO THE UAE THROUGH ECAS AND EQM

The ECAS program scope includes multiple industry sectors from Electrical, Electronic, and Gas Appliances, Machinery, Automotive, Building and Construction, Cosmetics, and Food in the form of issued technical regulations, under the ECAS banner and regulated by the appointed government body, Emirates Authority for Standardization and Metrology (ESMA).

Intertek has been appointed in the UAE as a Notified Body for for Low Voltage Equipment (LVE), Energy Efficiency Standards Labelling (EESL), lighting regulation, regulation for restriction of hazardous substances (RoHS) and equipment used in explosive atmospheres (ECAS Ex), Cosmetics, Perfumery and Personal Care Products (TR UAE GSO 1943) and is authorised to issue the mandatory Certificate of Conformity and/or Quality Mark on behalf of ESMA.

Visit our [website](#) to download guidance documents on the following ECAS regulations:

- Low Voltage Equipment (LVE)
- Energy Efficiency Standards Labelling (EESL)
- Lighting Regulation
- UAE Regulation for Restriction of Hazardous Substances (RoHS)
- ECAS Ex (Regulation of equipment used in Explosive Atmospheres)
- ECAS for Cosmetics and Perfumery Products

Intertek offers a variety of [Conformity Assessment Programmes](#) worldwide to ensure that products are fully tested in a recognised laboratory and a certificate issued before they are shipped to the client country.

EMIRATES CONFORMITY ASSESSMENT SCHEME (ECAS): LOW VOLTAGE EQUIPMENT (LVE)

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

CRITICAL ROLE OF THIRD PARTY QUALITY ASSURANCE

In the changing U.A.E. market for low voltage products, the ability for a manufacturer/importer/agent to certify that its products comply with all relevant ECAS 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 guess-work 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.



TOTAL QUALITY. ASSURED.

Intertek is a leading Total Quality Assurance provider to industries worldwide. Our network of more than 1,000 laboratories and offices and over 43,000 people in 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.

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