

Hong Kong S-Mark Certification Scheme (HK-S CS)

Country	China, Hong Kong
Safety Mark:	HK S-Mark Approval
Revision date:	15-Jan-2020



1 Introduction

This document describes the procedure for preparation, submittal, evaluation and certification of products as defined in the scope for Hong-Kong S-Mark Approval

2 Scope

TÜV Rheinland Hong Kong S-Mark certificates can be issued for the following product categories:

- Household Appliances complying with safety standards of series IEC 60335.
- Luminaries complying with safety standards of series IEC 60598.
- Class III audio and video equipment and power supply complying with safety standard IEC 60065.
- Class III Information technology equipment and power supply complying with safety standard IEC 60950-1.
- Transformers complying with safety standards of series IEC 61558

3 Type of Approval

TÜV Rheinland Hong Kong S-Mark certificate (Certificate of Safety Compliance with the right to label the products with TÜV Rheinland's safety mark) states compliance to the Electrical Products (Safety) Regulation (EPSR), made under the Electricity ordinance Cap. 406. The EPSR requires a certificate of safety compliance, which provides statutory control over the safety of all household electrical products, supplied in Hong Kong with the objective to enhance public safety in the use of these products. It became effective in May 1998 and applies to all electrical products designed for household use and supplied in Hong Kong (including those imported and manufactured locally).

Under this regulation, all household electrical products will have to comply with the "essential safety requirements" to protect users from hazards arising from the electrical products and hazards which may be caused by external influences on the electrical products.

Hong Kong S-Mark certification is based on a type 5 certification system including a type testing of the product samples by an ISO/IEC 17025 accredited laboratory, initial and surveillance inspection of the product's manufacturing site.

4 Technical Requirements

For Hong Kong S-Mark certification, the product has to comply with the requirement as far as applicable in Electrical Products (Safety) Regulation (EPSR) as well as the latest version of corresponding IEC standards below:

Audio and video equipment

- Class III audio/video equipment (IEC 60065)
- Supply apparatus designed to be used exclusively in combination with audio/video equipment (IEC 60065)

Household appliances

- Appliances for heating liquids (IEC 60335-2-15)
- Appliances for skin or hair care (IEC 60335-2-23)

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- Battery chargers (IEC 60335-2-29)
- Cooking ranges, hobs and ovens (IEC 60335-2-6)
- Deep fat fryers and frying pans (IEC 60335-2-13)
- Fans (IEC 60335-2-80)
- Grills and toasters (IEC 60335-2-9)
- Irons (IEC 60335-2-3)
- Kitchen machines (IEC 60335-2-14)
- Massage appliances (IEC 60335-2-32)
- Oral hygiene appliances (IEC 60335-2-52)
- Portable heating tools (IEC 60335-2-45)
- Room heaters (IEC 60335-2-30)
- Vacuum cleaners and water-suction cleaning appliances (IEC 60335-2-2)

Information technology equipment

- Class III information technology equipment (IEC 60950-1)
- Power supply intended for incorporation in information technology equipment (IEC 60950-1)

Luminaires

- Extra low voltage lighting systems for filament lamps (IEC 60598-2-23)
- Fixed general purpose luminaires (IEC 60598-2-1)
- Lighting chains (IEC 60598-2-20)
- Luminaires with built-in transformers for filament lamps (IEC 60598-2-6)
- Portable luminaires for children (IEC 60598-2-10)
- Portable general purpose luminaires (IEC 60598-2-4)
- Portable luminaires for garden use (IEC 60598-2-7)
- Recessed luminaires (IEC 60598-2-2)

Transformers

- Safety isolating transformers and power supply units incorporating safety isolating transformers (IEC 61558-2-6)
- Transformers and power supplies for toys (IEC 61558-2-7)
- Transformers for switch mode power supplies (IEC 61558-2-16)

Rated voltage in Hong-Kong is AC 220V/50Hz.

Plugs for appliances are 13A plugs and comply with BS 1363 part 1 or 2.5A plugs in compliance with EN 50075.

5 Lead-time and Fees

The lead-time for certification will be 10 working days after all documents are provided and accepted. In case testing is required, the additional lead-time will depend on the product.

The fee schedule of HK-S mark:

Service Fee	Price (HKD)
Application for new HK-S mark certificate	12,000 and up,
Approval of modification / renewal	6,000 and up
Additional factory for each certification	Additional 2,500 per certification.
Factory inspection fee	8,500 / man day (Not including travel cost)
Annual Fee	500 / certificate (Can be waived if the same model has other been certified by TUV Rheinland Group)

** The price mentioned above is for reference only, finalized amount will be issued in the official quotation after application review.

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6 Certification Procedure

6.1. Application documentation

The following documents are required for Hong Kong S-Mark certification:

- Application form
- General Agreement (First application only)
- Company Name and Address declaration (First application only, for applicant with business license not with English language)
- IEC based test report issued by laboratory of TÜV Rheinland or CB certificate with CB test report (not issued older than 3 years from the date of application submission) with up-to-date testing standard applied
- Factory Inspection report in CIG023 format carried out by TÜV Rheinland Hong Kong Ltd.
- Rating label (*if not in test report*)
- Photo-documentation (*if not in the test report*)
- Certificates of all safety relevant components
- User's manual in English or Chinese language
- CDF
- Circuit diagram
- Constructional drawing
- PCB layout
- Bill of Material (BOM)

6.2. Method of Evaluation (Testing)

Testing will be performed in accordance with the technical requirement as specified in section 4. The assigned project handler will perform and coordinate required evaluation and compile a complete test report accordingly.

During the process, when any non-conformance of the product under testing being detected, the applicant will be informed in written (deviation report). Certification review will be proceeded until all non-conformances addressed in the report being rectified (e.g. by provide supporting evidences, additional testing, re-testing and etc.). Response from applicant for rectification should be completed within one month, but may accepted latest up to one year after the deviation report is sent out.

6.3. Acceptance of CB test reports

If applicant submits a valid CB report (correlated IEC standard is used and national differences are covered and accepted in the application review process), the assigned project handler could decide that part or all testing in the test plan can be exempted from testing.

In case additional tests and / or evaluation are necessary (e.g. national differences is missing for HK), concerned testing / evaluation shall be applied.

6.4. Test Samples

The applicant required to send representative sample. If there is only one model in the application, at least 4 samples shall be provided. Additional samples may require if the application is a product series. The actual number of required samples will be confirm before completion of application process.

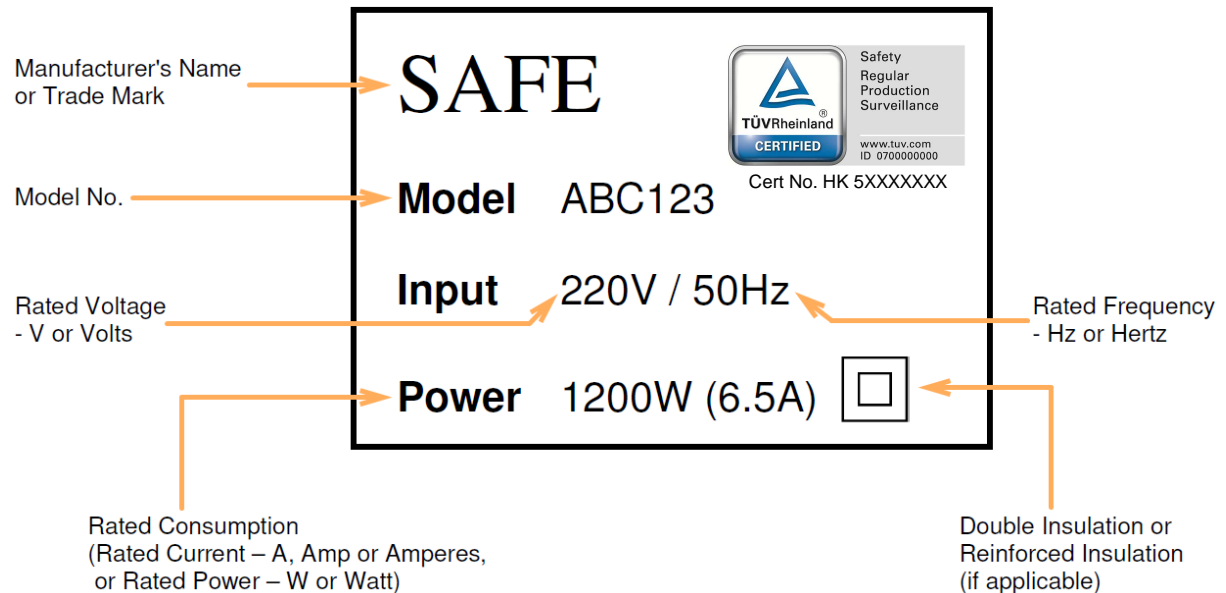
After the test is completed and the test report is issued, the relevant test records and related materials are kept in the laboratory, and the samples are disposed of in accordance with relevant TÜV Rheinland regulations.

Test samples may not be required if provided information and CB/IEC test report are sufficient for proceeding certification.

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6.5. Labelling requirement

Requirements for labeling are as follows:



6.6. Factory Inspection

Periodic Factory Inspection is required for Hong Kong S-Mark. First and annual factory inspection shall be carried out by TRHK inspector and the factory inspection report is prepared in accordance to ECS document CIG 021.

Surveillance factory inspections are conducted in general within a 12 month intervals after the first inspection and the factory will be informed about the inspection date at least three weeks before the due date. At the time of surveillance factory inspection, it has to be ensured that certified products are being manufactured. In exceptional case and with approval of TÜV Rheinland Hong Kong, the inspection can also take place during manufacturing of similar products and a sample of manufactured certified products can be taken from the warehouse for sample check.

If the defined quality measures are not sufficient and if additional deviations are found during factory inspections, appropriate action is taken, such as shorter intervals for surveillance inspections may including product testing, external product control tests, lot releases, etc.

If no production takes place during the surveillance period, and no suitable production sample is available, then the manufacturer is requested, to inform us in writing, about when the next production of certified products will start.

If the manufacturing site cannot be visited within one year, then the certificate status may change to invalid and proceeded as lot inspection only.

Before execution of each factory inspection, a factory inspection plan shall be acknowledged and confirmed with certificate holder. General evaluation criteria as specified in CIG document and product characteristic will be considered and applied. Evaluation of the factory inspection will be summarized in factory inspection report.

During the process, when any non-conformance of inspection is being detected, the applicant will be informed in written form and in a timely manner. Certification review will be proceeded until all non-conformances addressed in the report being rectified (e.g. by provide supporting evidences, re-inspection and etc.). The applicant is expected to response within one month, but may accept latest up

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to one year after the deviation report is sent out. Otherwise, the certification cannot be grant (new certification) or may be cancel / suspend according to severity of non-conformance (surveillance inspection)

6.7. Certification review and decision

After the evaluation is completed, all information and results related to the evaluation shall be reviewed accordingly. The recommendation for certification decision will be made if the results are positive.

If any non-conformance in respect to concerned certification is being detected, same principle in section 6.2 or 6.6 will be applied and the applicant will be informed in written and state the reasons why the certificate cannot be granted. If the applicant responds to the non-conformance with appropriate corrective action within an agreed time frame, the certification process shall be resumed accordingly, otherwise the project will be closed and no certification will be grant.

7 Modifications effecting the design or specification with regard to the certification requirements

7.1. Changes to the certified product

The client shall inform us all modifications to the approved type that may affect the conformity of the product with the essential requirements as stipulated in the HK-S mark Scheme or the conditions for validity of the certificate, in particular in case of a change to the manufacturing process, the raw materials or components of electrical equipment. Such modifications required additional approval.

The difference between the new designed or specified product and the originally certified product is re-evaluated and regarded as "New application".

7.2. Changes to the certification requirements

If certification scheme, Testing and Certification Regulation or applicable product requirements for complying with EPSR requirements are changed, we will inform concerned certificate holder about effective date of new requirements and about any transition period. In general, the transition period is set to 2 years. Since the reason for the changing in certification requirement may vary, the final decision to the transition period before implementation will be decided by the head of certification.

We will advise certificate holder about conditions to continue certification after the end of transition period. In general, by latest one month before the end of transition period, client shall inform us whether he likes to apply new requirements and continues certification or certificate shall be cancelled.

- Client confirms to comply with modified requirements and result of supplementary evaluation is favorable, certification body will issue a supplementary certification and/or will modify certification body's records accordingly.
- If Client confirms not to apply modified standard or if Client will not respond before transition period ends or if result of any necessary supplementary examination is not favorable, certification will be cancelled at the end date of transition time.

For the change of Testing and Certification Regulation, if the Client did not inform TRHK within one month after notification issued, TRHK will assume that the client agree to conform the latest requirement accordingly.

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8 Extending or reducing scope of a certification

8.1. Reducing scope of certification

If certificate holder applies to reduce the scope of certification, the difference between the reduced and original scope for the certified product is re-evaluated.

8.2. Extending scope of certification

If certificate holder applies to extend the scope of certification, the difference between the extended and original scope for the certified product is re-evaluated

9 Suspension / Withdrawal of certification

In any circumstance, including but not limit to surveillance activities or information obtained from authorities which finds that a certified product is not in conformity with the Essential Requirements set out in the HK-S mark Scheme and / or Testing and Certification Regulation, we may withdraw or suspend related certificates.

In case of suspension or withdrawal, the certificate holder will be informed accordingly by written stating the reasons for withdrawal or suspension and mark the Certificate in its register as invalid. While investigating the non-conformity findings and until reaching a conclusion, we may suspend a certification and inform the certificate holder accordingly. The certificate holder is not supposed to make any misleading claim to the status of certification; ceases to use the certification mark on the products manufactured since the date of suspension or withdrawal and will not place certified products on the market during the stated period. Potentially defective certified products are subject to corrective action including recall where appropriate. The corrective action has to be reported and completed by the certificate holder, prior to the permission by us to claim the certified status again and to use the certification mark.

In case of withdrawal, the original certificate shall be returned to us in timely manner.

10 Replacements

Replacing an existing certification may become necessary for a number of reasons:

10.1. Voluntary Replacements

When certificate holder wishes to “clean-up” an old certification (removal of obsolete factories, model designations, ratings etc.), a new certification will be issued comparable to old one. Only difference is an additional remark in the new certificate.

10.2. Change of Ownership, Structure or Management Change

The product has to be re-evaluated again. A new certificate will be issued with new holder name when compliance is found with concerned requirements.

10.3. Name and Address Change

Name and/or address of Certificate holder has been altered but not the ownership, structure or management. A new general agreement with supporting document for the change (e.g. business licenses, rental contract, declaration letter from original certificate holder and etc.) shall be provided with altered name and / or address of Certificate holder is required before a new certificate can be issued. In case the supporting documents are not written in English, a Declaration of Company Identity

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shall also be submitted. A new certificate is issued listing new certificate holder's name and / or address.

10.4. Change of the Manufacturing Site

If certificate holder is changing manufacturing site and reporting this change, before starting his first production of products certified by us, this manufacturing site has to be evaluated with an initial factory inspection. Upon a positive inspection result, factory will be listed on an additional certificate page.

11 Marks

The mark below is registered by TÜV Rheinland Hong Kong.



Color Version



Black and White Version

For certificates issued before 01-Jan-2018:

- The ID under www.tuv.com "0700000000" is representing the mark as HK S-Mark. In addition, the first 10 digits of certificate number "Cert No. HK 5XXXXXXX" shall be placed on the rating label. The mark shall be visible displayed on the rating label. See the sample rating label in section 11 for reference. In case of smaller appliances the mark can be put on other place on the product itself or on the packing.

For certificates issued on or after 01-Jan-2018:

- Same requirement as above, except that individual ID number will be assigned for each issued certificate and no HK S-Mark Certificate number need to be displayed on rating label.

Information about the use of test mark is published in the flyer:

[Always a Good Sign. The TÜV Rheinland Test Mark.](#)

12 Complaint and Appeals

For complaint and appeals, please submit to service-gc@tuv.com or contact us at +852 21921022

(Next review: before 16-Dec-2022)