



Certification of

GAS APPLIANCES

Industrial & consumer certification
and inspection section (ICCS 1)

Product Certification Scheme

Definition – as according to ISO/IEC 170067

A procedure by which a third party gives written assurance that a product conforms to specified requirements

(with factory assessment & surveillance,

OR specific on particular batch)

Product Certification Scheme

Why do we need it..?

- ➔ Provide **independent assurance** for products manufactured to conform consistently with standards or specifications.
- ➔ Give manufacturers right to affix the **SIRIM's "Top Mark"** on their products.
- ➔ Provide **basis and means** for the regulatory agencies in **making decision** on approval and surveillance of products under its purview.
- ➔ Assure customers of **products' quality, safety & reliability**.

Product Certification Scheme

- **Standards** (Specified requirements)
A publicly available document **established by consensus** and approved by a recognized body.

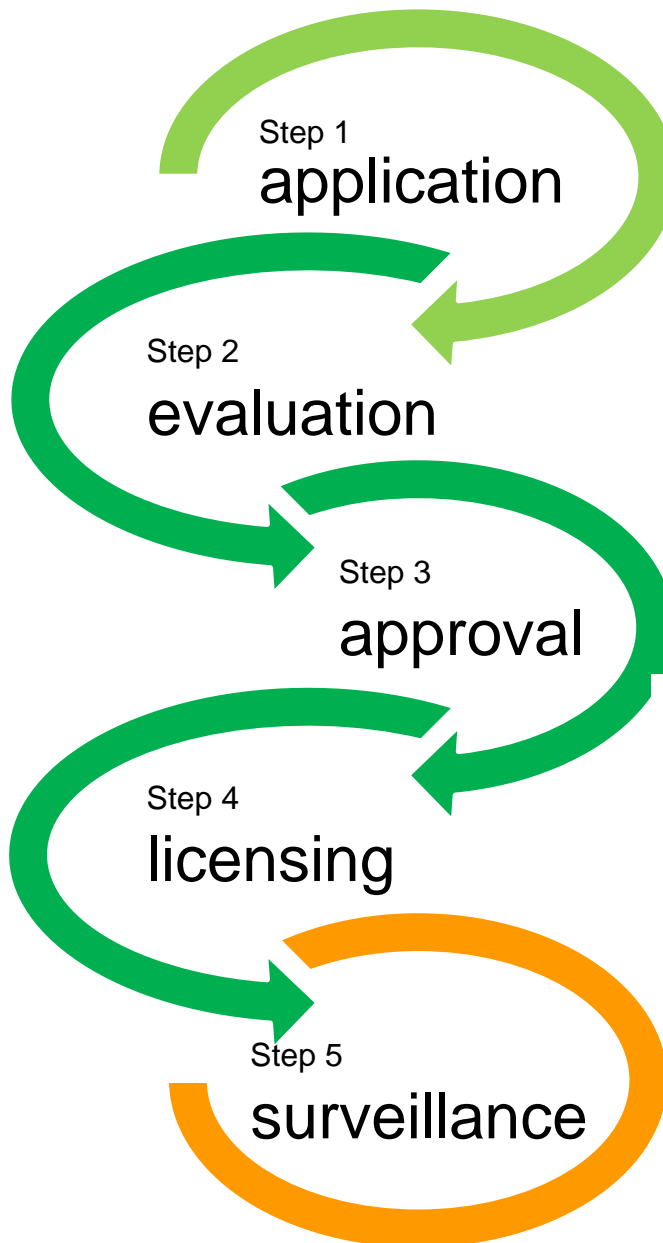
MS 1535 : 2002 – Domestic Gas Cooking Appliances for Use with Liquefied Petroleum Gases.

<http://www.msonline.gov.my>

BS EN 30-1-1 : 2008 + A3 :2013 – Domestic cooking appliances burning gas



Product Certification Scheme



the Type 5 product certification process



Product Certification Scheme



Who can apply..... ?

- ✓ Manufacturer
- ✓ Traders

Applicant responsibility.....

- ✓ Aware of the applicable criteria / standard for the product / service.
- ✓ Knowing the criteria / standard requirements is GREAT advantage



i) Complete the Product Certification Questionnaire (ePCS/FOR/01-1). Return the form to us together with your product brochure/specification. SIRIM will issue the quotation.

ii) Complete the Product Certification Application (ePCS/FOR/01-2), relevant authority (ePCS/FOR/01-3 & 01-3.1), trade mark (ePCS/FOR/01-4 & 01-4.1) and Declaration by manufacturer (Trading company with local/foreign manufacturer, sign by manufacturer (ePCS/FOR/01-5)

iii) Return the forms together with the payment.

iv) SIRIM will issue acceptance letter.

v) SIRIM and applicant will discuss on the factory inspection.

vi) SIRIM auditor will conduct the factory audit and select samples for testing.

vii) Testing of product. Quotation for testing will be issued at this point.

viii) Recommendation for certification.

ix) If factory audit and testing pass, SIRIM will issue license/certificate.

Product Certification Scheme



Item 1 - Factory Audit (assessment)

QC Plan (Incoming, **In-process**, Out-going Inspections),
Testing equipment (Suitability and Calibration status),
Handling of non-conformances (Only good product shall reach customer),
Handling Customer complaint (Source to improvement)

QC Plan (The **minimum In-process** testing required by manufacturer)

1. Gas tightness of gas passage
2. Combustion condition
3. Temperature rise

Product Certification Scheme



Item 2 - Product Evaluation (sampling)

Sampling from production line / storage / **prototype**.
Evaluated for compliance against the standard.

Final Product / Production Line / Storage

Traceability between samples and Type Test Report
must be evidence.

Product Certification Scheme



Factory quality system audit **SATISFY**
SIRIM's Scheme Requirement
AND

Product **PASSED** the test

Product Certification Scheme



Licensing

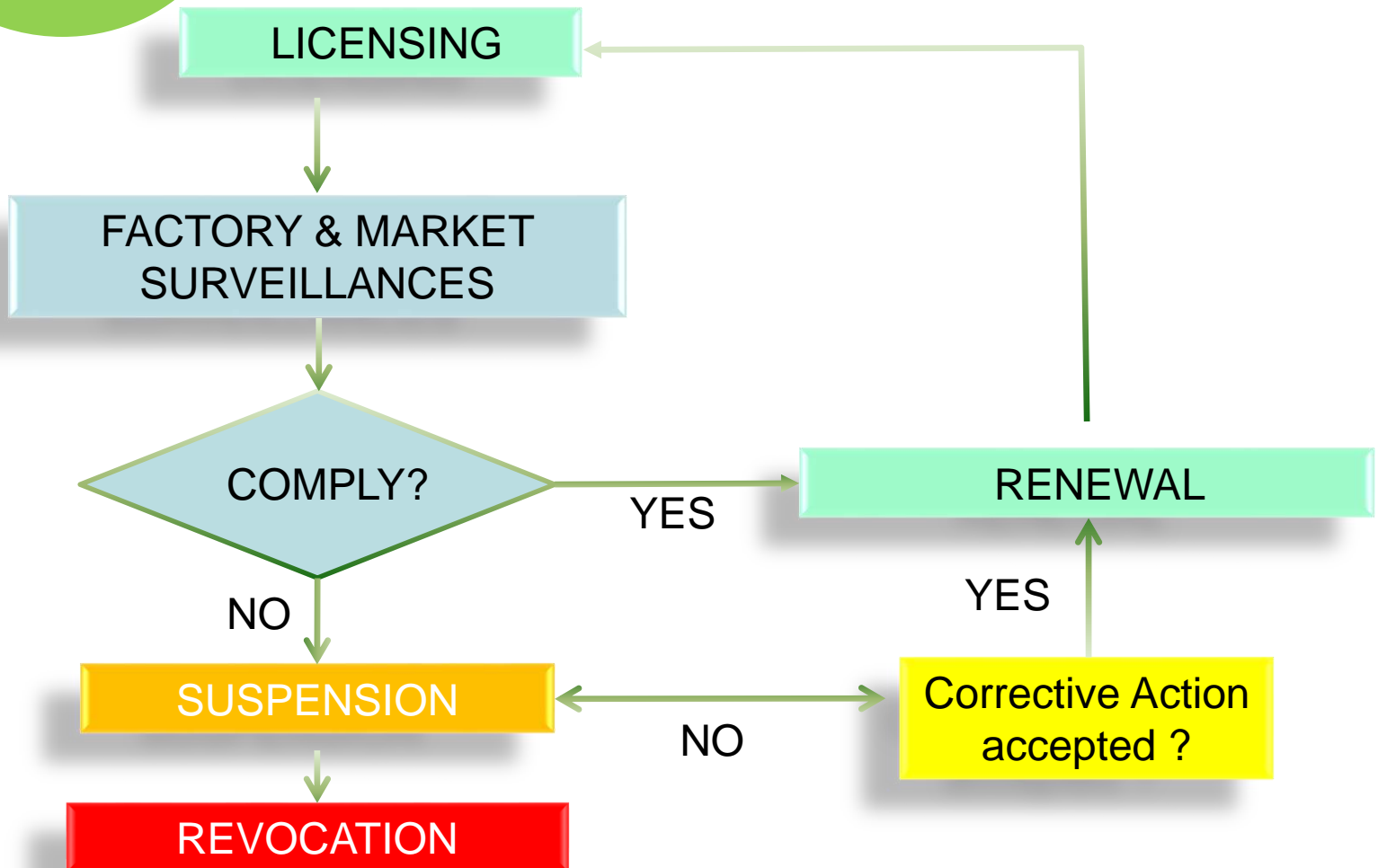
License to use SIRIM Mark granted to the successful company – validity 1 year.

Licensee can self-print the SIRIM Mark but to purchase SIRIM Label

Company & product name are auto-listed in the **MALAYSIANCERTIFIED** directory FOC



POST-CERTIFICATION ACTIVITIES





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Thank you