

GUIDE ON ISSUANCE OF CERTIFICATE OF APPROVALS AND LABELLING OF DOMESTIC GAS COOKING APPLIANCES

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1.0 BACKGROUND AND OBJECTIVES

The objective for the domestic gas cooker labeling under the Gas Supply Regulations 1997 is to ensure the safe use of domestic gas cookers by consumers by:

- a) Ensuring that each appliance is tested/verified by SIRIM,
- b) Thereafter granting of a Certificate of Approval (CoA) by ST, and
- c) Subsequently enhanced by SIRIM-ST labelling.

Therefore, by complying with the specified minimum requirements, risk of accidents such as fire, explosion and other hazards which could result in injuries or deaths to humans and or damages to properties can be minimized or avoided.

2.0 DEFINITIONS AND INTERPRETATION

“domestic” means the household or of or for use in the home rather than in an industrial or office environment.

“gas appliance” means an appliance designed for use or to be used by a consumer of gas for heating, burning, motive power, or other purposes for which gas can be used and includes a gas appliance regulator.

Unless expressly indicated to the contrary or unless the context otherwise requires, terms adopted and used in this guide shall bear the same meaning as they are defined in the Gas Supply Act 1993, the Gas Supply Regulations 1997 and/or Malaysian Standard MS 1535:2002, and/or British Standard BS EN 30-1-1:2008+A3:2013, as amended from time to time.

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3.0 WHO SHOULD BE CONCERNED WITH THIS GUIDE?

3.1 Consumers

This guide was prepared to enable consumers to differentiate between the approved and non-approved regulated domestic gas cooker. It also serves as a deterrent and a means to check for non-approved domestic gas cooker. Consumers should only purchase the domestic gas cooker which have been approved by the Commission and affixed with a SIRIM-ST label.

3.2 Assembler, Manufacturer or Importer

This guide is to assist Assembler, Manufacturer or Importer in understanding and fulfilling the requirements and procedures for obtaining the SIRIM-ST label for domestic gas cooking appliances.

4.0 CERTIFICATE OF APPROVAL

4.1 Assembler, Manufacturer or Importer

The issuance of the Certificate of Approval pursuant to Regulation 116 of the Gas Supply Regulations 1997 is to ensure that all activities to assemble, manufacture or import any gas fittings, gas appliances or equipment meets the specified safety requirement.

For application of Certificate of Approval, do refer to **Guide on New Applications and Renewal of Certificate of Approval for Assemblers, Manufacturers or Importers of Gas Fittings, Gas Appliances and Equipment**. The application is done online and available at *Online Application System* (OAS) website <http://oas.st.gov.my/> to proceed with this application.

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4.2 Gas Fitting, Gas Appliance or Equipment

The issuance of the Certificate of Approval pursuant to Regulation 117 of the Gas Supply Regulations 1997 is to ensure no gas fitting, gas appliance or equipment shall be assembled, manufactured, imported, sold or used unless it has been tested and certified and approved by the Government or its agent or a person accredited by the Government and meets the specified safety requirement.

For application of Certificate of Approval, do refer to **Guide on New Applications and Renewal of Certificate of Approval for Gas Fittings, Gas Appliances and Equipment**. The application is done online and available at *Online Application System* (OAS) website <http://oas.st.gov.my/> to proceed with this application.

5.0 OFFENCE AND PENALTIES

5.1 Gas Supply Act 1993

Under section 31 of the Gas Supply Act 1993, General Penalty; Any person who by any act or omission contravenes any provision under this Act or any regulation made thereunder commits of an offence and if no penalty is expressly provided shall, on conviction, be liable to a fine not exceeding one hundred thousand ringgit and, in the case of a continuing offence, to a fine not exceeding two thousand ringgit for every day or part of a day during which the offence continues after conviction.

5.2 Gas Supply Regulations 1997

Prescribed under regulation 142 of the Gas Supply Regulations 1997; Any person who contravenes these Regulations shall be guilty of an offence.

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6.0 REGULATED TYPE OF GAS APPLIANCE

Type of gas appliance covered by this guide are given as following;

Classification	Maximum marked gas consumption ¹ (kW)	Description	Reference figure
Cooking Burner ²	14 (for individual burner - 5.8)	An appliance that cook by holding a pan or similar utensil on a burner.	Figure 1 to 7 (Refer Appendix A)

Type of Appliances

¹ The marked gas consumption means the gas volume that is consumed by the appliance when used under the condition where the gas consumption is maximum. This value is marked on the appliance.

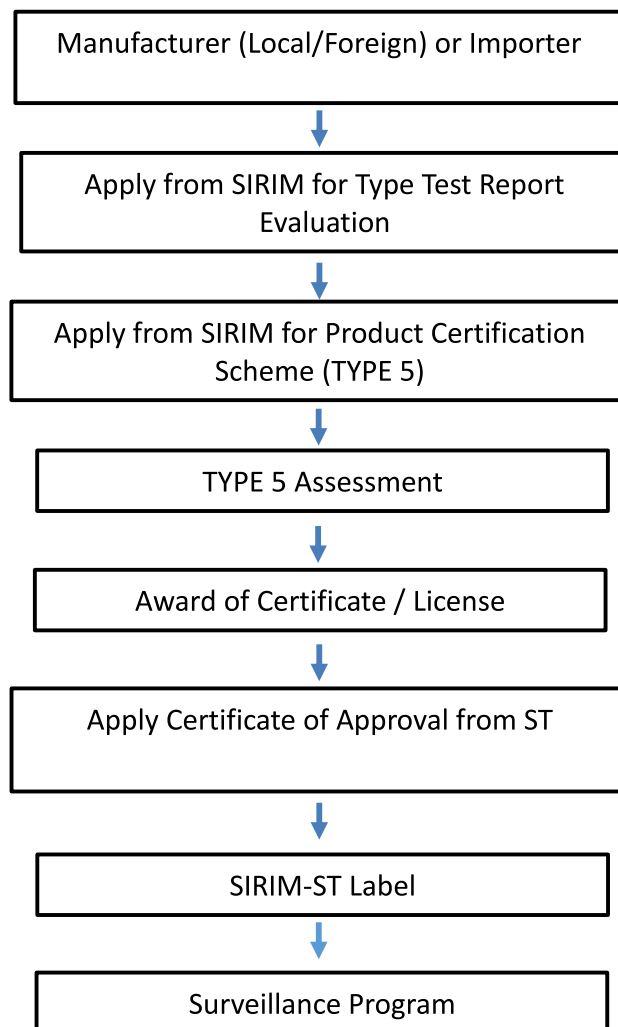
² The cooking burners shall **exclude** portable cooking burners.

Note: The portable gas cooking burner is a combination of portability and functionality; combining the light weight of a small gas canister with the heat output needed to cook a meal. Portable gas cooker in modern times can be divided into several broad categories based on the type of fuel used and the design of the aluminum stoving frame. Unpressurised stoves use solid/liquid fuel placed in the burner before ignition. Combustible stove hangers use a form of volatile liquid fuel in a pressurized burner i.e bottled gas stoves. (Refer **Appendix B**)

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7.0 TYPE 5 CERTIFICATION SCHEME

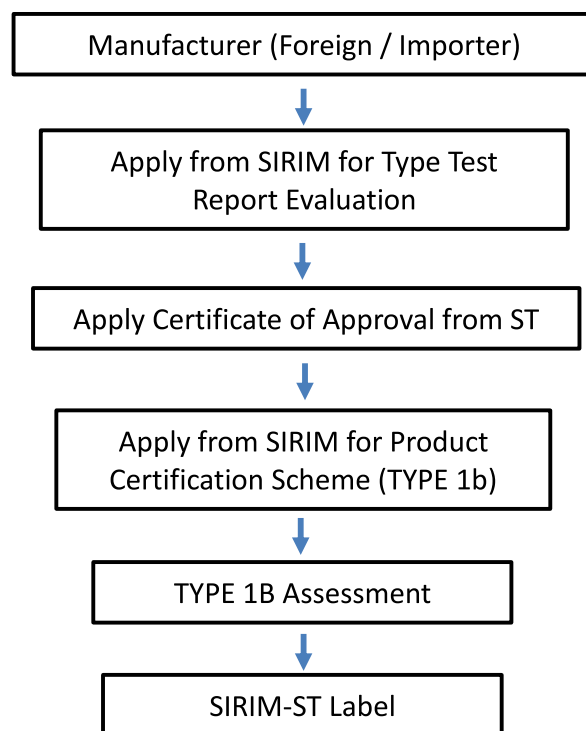
The Assembler, Manufacturer (Local/Foreign) or Importer need to apply for the SIRIM Product Certification Scheme (TYPE 5), which is based on the ISO Certification System (ISO/IEC 17065) no. 5. The applicant is awarded a certificate/license only if the product complies with the standard and the factory has a proper quality control system to ensure consistent and continuous compliance of the product with the standard's requirements. The flow chart is as follows;



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8.0 TYPE 1B/BATCH CERTIFICATION SCHEME

As an alternative to the Type 5 Certification Scheme, the applicant may arrange for Type 1B/Batch certification of the imported products' compliance with national or international safety standards. Type Test Report is required for evaluation. The certification process will follow as per the below flow chart.



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9.0 LABELLING OR MARKING OF SIRIM-ST LABEL

All regulated domestic gas cooker approved by the Commission must be labeled or marked in accordance with the Regulation 119 of Gas Supply Regulations 1997 and shall be done in the manner which has been determined by the Commission as below:

There are two sticker types of SIRIM-ST label which will be affixed on the domestic gas cooker;

9.1 SIRIM-ST Label (TYPE 5)

Local/Foreign manufacturer or importer who have entered Product Certification Scheme (TYPE 5) shall purchase SIRIM-ST label and affix on each appliance. Sample of the label is as shown below:



Figure 1: SIRIM-ST label for Locally Manufactured and Imported Appliance

9.2 SIRIM-ST Label (TYPE 1B/BATCH)

Foreign manufacturer or importer who has passed Consignment Test shall purchase SIRIM-ST label and affix on each of appliance. The word BATCH printed on the label shows that the imported appliance gone through BATCH Consignment Test. Sample of the label is as shown below:



Figure 2: SIRIM-ST label for Imported

10.0 WHERE TO AFFIX SIRIM-ST LABEL?

The SIRIM-ST label shall be affixed on the regulated domestic gas cooker itself in a legible manner. The SIRIM-ST label shall not be affixed on the packaging.

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11.0 ENERGY COMMISSION OFFICES

11.1 Headquarters

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Web : www.st.gov.my **Fax** : 603 8888 8637

11.2 Regional Offices

Regional	Address	Phone No.& Fax
PULAU PINANG, KEDAH & PERLIS	Tingkat 10, Bangunan KWSP 13700 Seberang Jaya, Butterworth, Pulau Pinang	Tel : 04 - 398 8255 Fax : 04 - 390 0255
PERAK	Tingkat 1, Bangunan KWSP Jalan Greentown 30450 Ipoh, Perak.	Tel : 05 - 253 5413 Fax : 05 - 255 3525
KELANTAN & TERENGGANU	Tingkat 6, Bangunan KWSP Jalan Padang Garong 15000 Kota Bharu, Kelantan.	Tel : 09 - 748 7390 Fax : 09 - 744 5498
PAHANG	Tingkat 7, Kompleks Teruntum Jalan Mahkota 25000 Kuantan, Pahang.	Tel : 09 - 514 2803 Fax : 09 - 514 2804
SELANGOR, KUALA LUMPUR & PUTRAJAYA	Tingkat 10, Menara PKNS No. 17, Jalan Yong Shook Lin 46050 Petaling Jaya, Selangor.	Tel : 03 - 7955 8930 Fax : 03 - 7955 8939
JOHOR	Suite 18A, Aras 18 Menara ANSAR 65 Jalan Trus 80000 Johor Bharu, Johor.	Tel : 07 - 224 8861 Fax : 07 - 224 9410
PANTAI BARAT NEGERI SABAH	Tingkat 7, Bangunan BSN Jalan Kemajuan 88000 Kota Kinabalu, Sabah.	Tel : 088 - 232 447 Fax : 088 - 232 444
PANTAI TIMUR NEGERI SABAH	Tingkat 3, Wisma Sabah KM12 W.D.T. No. 25 90500 Sandakan, Sabah.	Tel : 089 - 666 695 Fax : 089 - 660 279
NEGERI SEMBILAN & MELAKA	Tingkat 4, Wisma Perkeso, Jalan Persekutuan, MITC, 75450 Ayer Keroh, Melaka.	Tel : 06 - 231 9594 Fax : 06 - 231 9620

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12.0 APPENDIX A

REGULATED TYPE OF GAS COOKING APPLIANCES



Figure 1. Table type appliance with one cooking burner



Figure 2. Table / Hob type appliance with two cooking burner



Figure 3. Table / Hob type appliance with three cooking burner

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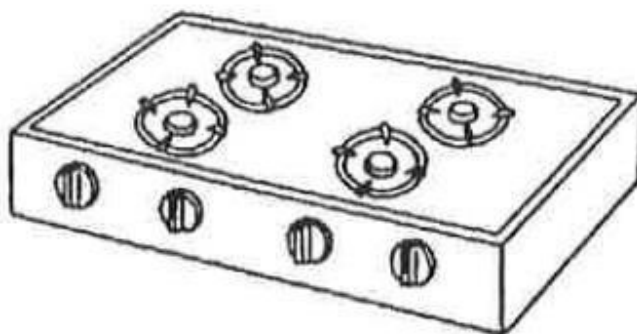


Figure 4. Table / Hob type appliance with four cooking burner

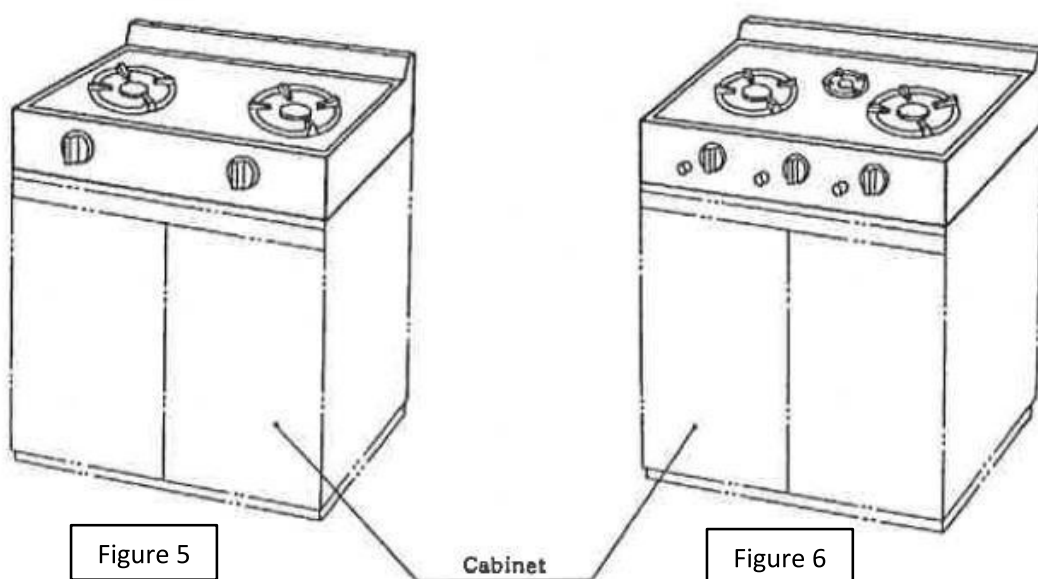


Figure 5. Cabinet type appliance with two cooking burner

Figure 6. Cabinet type appliance with three cooking burner

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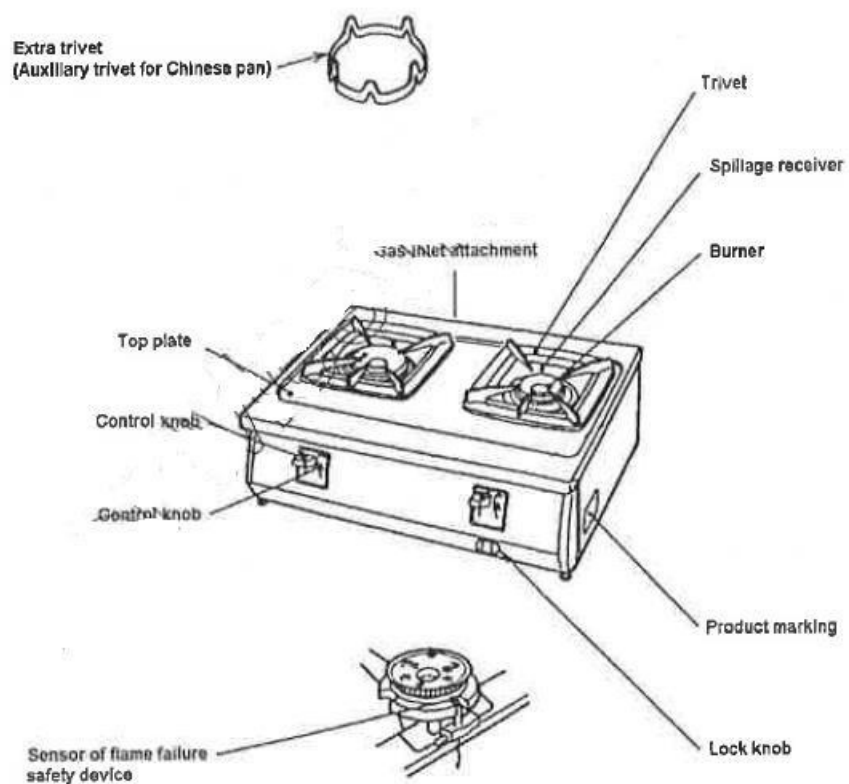


Figure 7. Part of table types appliances with two cooking burner

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13.0 APPENDIX B

NON-REGULATED TYPE OF PORTABLE GAS COOKING BURNERS



Figure 1. Lafare's portable gas stove 1932



Figure 2. A modern gas cartridge for a portable gas cooker



Figure 3. A modern gas cartridge for a portable gas cooker