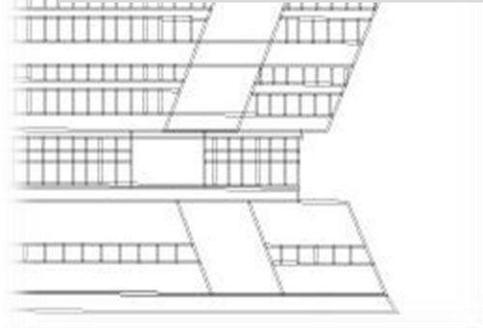


GUIDE ON ISSUANCE OF CERTIFICATE OF APPROVAL (CoA) AND LABELLING OF DOMESTIC GAS COOKING APPLIANCES



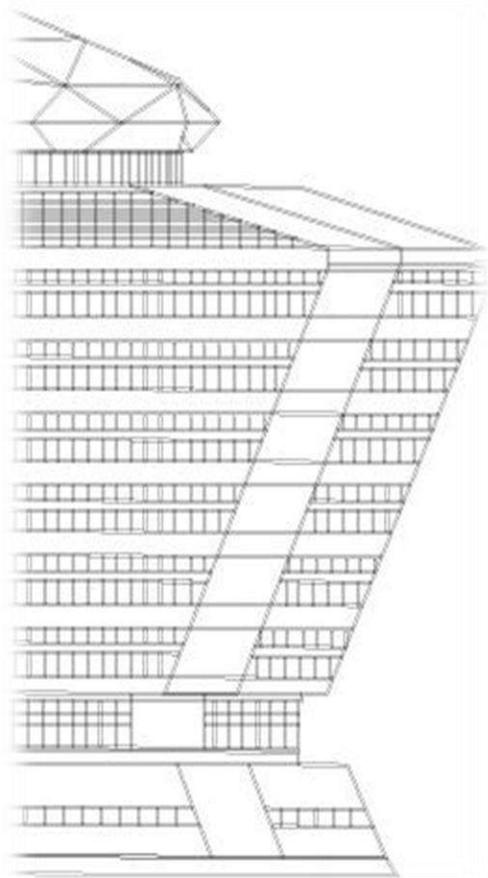
Ir. SHAMSUDDIN BIN ARSHAD
DEPUTY DIRECTOR
UNIT OF GAS INSTALLATION & EQUIPMENT
SAFETY REGULATION DEPARTMENT
SURUHANJAYA TENAGA

21 FEBRUARY 2019 | THURSDAY

Thistle Hotel, Johor Bahru, Johor.

Contents

- 1) Background of Energy Commission (EC), Malaysia.
- 2) Acts & Regulations regulated by the EC, Malaysia.
- 3) Gas Supply Act 1993 & Gas Supply Regulations 1997.
- 4) Guide on Issuance of Certificate of Approvals (CoA) and Labelling of Domestic Gas Cooking Appliances.



1.0 BACKGROUND OF ENERGY COMMISSION (EC), MALAYSIA

Energy Commission of Malaysia

- Energy Commission (EC) is a statutory body established under the **Energy Commission Act 2001**.
- It is responsible for regulating the energy sector, specifically the **electricity supply and piped gas supply industries** in Peninsular Malaysia and Sabah, Malaysia.
- The Energy Commission ensures that the provision of electricity and piped gas to consumers are **secure, reliable, safe and reasonably priced**.

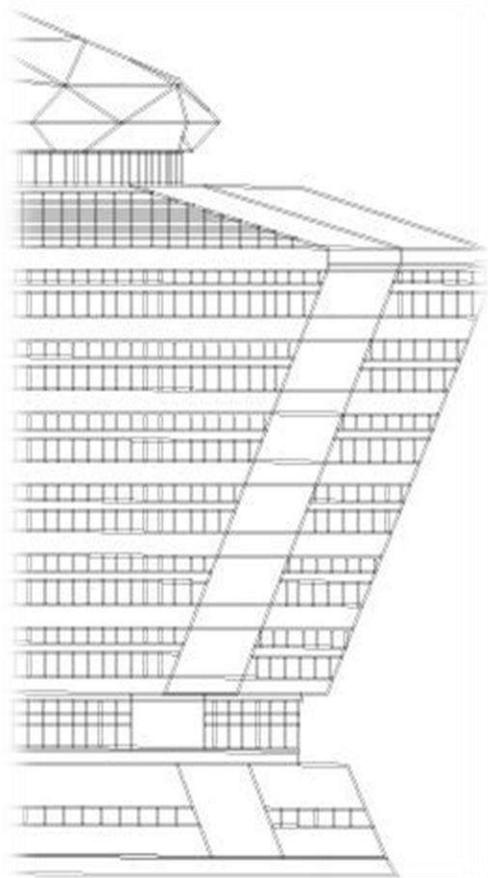


Headquarters
(Putrajaya, Malaysia)



EC BRANCH OFFICE

- KL, PUTRAJAYA & SELANGOR
- MELAKA & NEGERI SEMBILAN
- JOHOR
- PAHANG
- PERAK
- TERENGGANU & KELANTAN
- KEDAH, PERLIS & PULAU PINANG
- KOTA KINABALU, SABAH
- SANDAKAN, SABAH

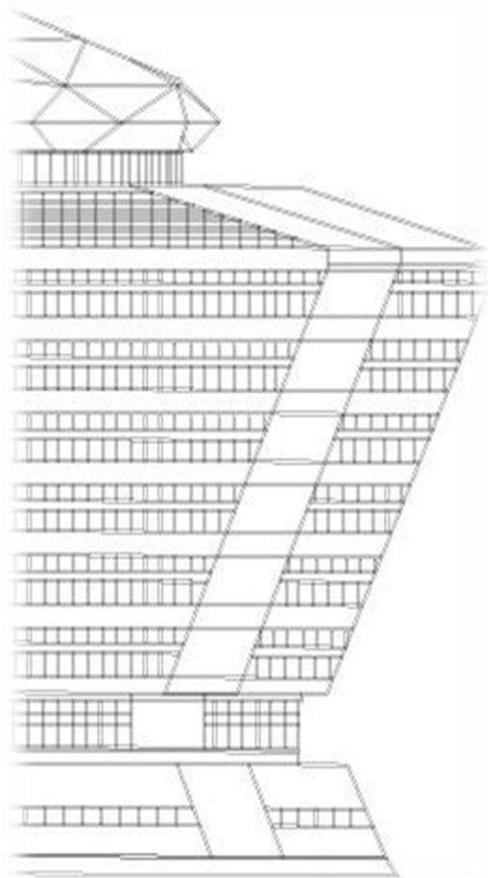


2.0

ACTS & REGULATIONS REGULATED BY EC, MALAYSIA

Acts & Regulations regulated by the Energy Commission of Malaysia

1. **Electricity Supply Act 1990 [Act 447] as amended in 2015.**
2. **Gas Supply Act 1993 [Act 501] as amended in 2016.**
3. **Electricity Regulations 1994 as amended in 2014.**
4. **Licensee Supply Regulations 1990.**
5. **Electricity Supply (Compounding of Offences) Reg. 2001.**
6. **Efficient Management of Electrical Energy Reg. 2008.**
7. **Gas Supply Regulations 1997 as amended in 2015.**
8. **Gas Supply (Compoundable Offences) Order 2006.**



3.0

GAS SUPPLY ACT 1993 & GAS SUPPLY REGULATIONS 1997

Gas Supply Act 1993 (Amendment 2016)

‘Gas Appliance’ – 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.

Gas Supply Regulations 1997

- **Regulation 116** – Certificate of Approval for assembler, manufacturer or importer of gas fittings, gas appliances and gas equipment.
- **Regulation 117** – Test and certification of gas fittings, gas appliances or gas equipment.
- **Regulation 119** – Marking or labelling of approved gas fitting, gas appliance or gas equipment.

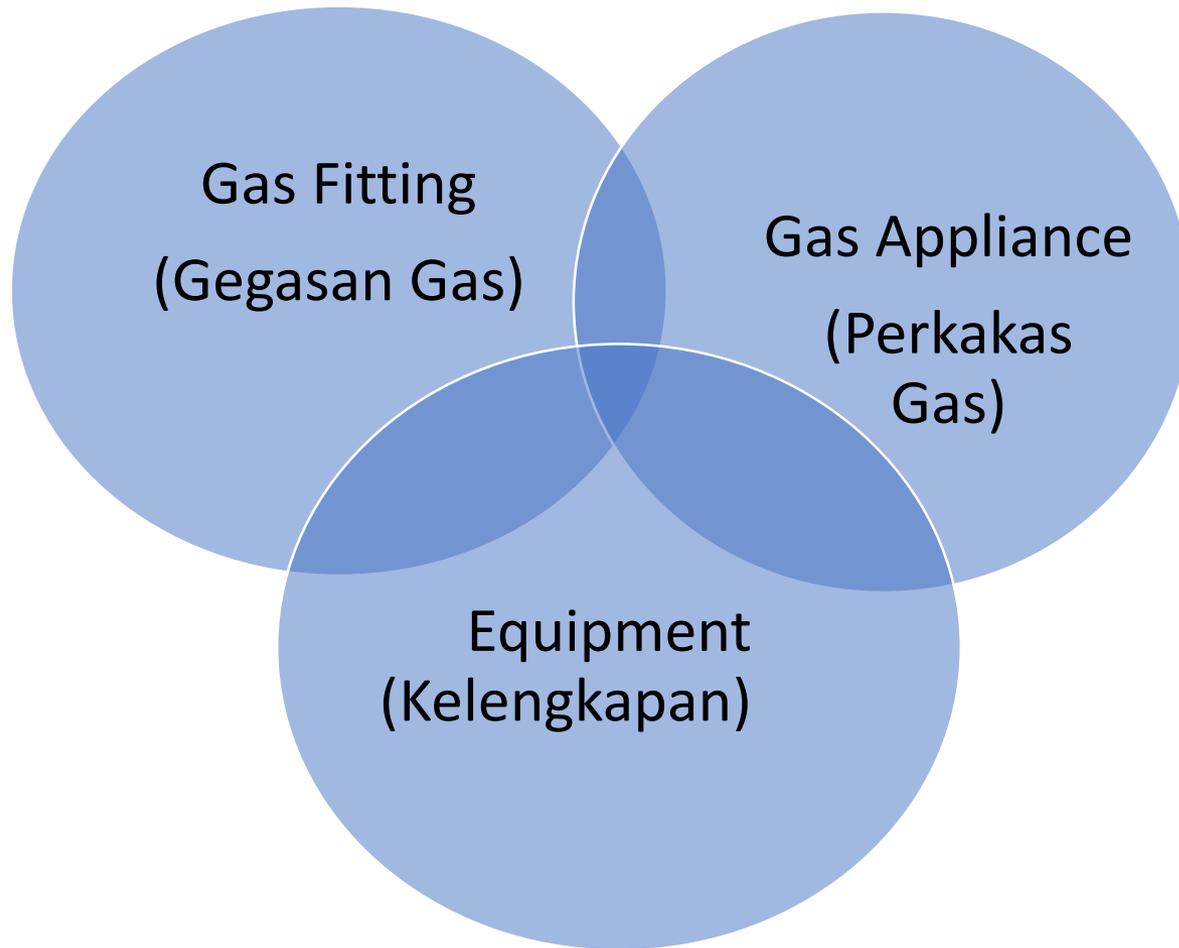
OBJECTIVE OF ACT & REGULATIONS

1. To ensure that all activities to assemble, manufacture or import any gas fittings, gas appliances or equipment are registered with the Commission.
2. To ensure any gas fittings, gas appliances or equipment meets the specified safety requirements.
3. To minimize or avoid the risk of accidents i.e. leakage, explosion or other hazards which could result injuries or death to humans and damages to properties.

Section 31 : 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.

DEFINITIONS AND INTERPRETATION



GAS FITTING (GEGASAN GAS)

- ▶ an item in a piping or tubing system such as elbow, bend, tee, union, bushing, coupling, flange, hose, transition joint, tube, pipe, cross or nipple but does not include a functioning item such as a valve or pressure regulator.



GAS APPLIANCE (PERKAKAS GAS)

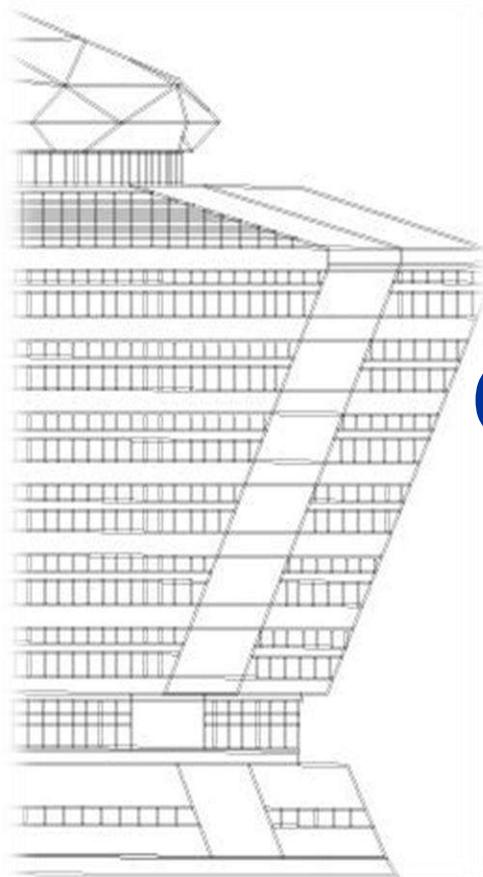


- ▶ an appliance designed for use or to be used by a consumer of gas for heating, burning, motive power or other purposes for which gas can be used and includes a gas appliance regulator.

EQUIPMENT (KELENGKAPAN)



- ▶ includes a valve, filter, meter, pressure regulator or any other functioning item used in a gas system.



4.0

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

Objectives of Guide

To ensure consumers' interest in the use of domestic gas cooker shall be protected through the determination of the equipment being:

- a) Compatible to Malaysian gas supply system;
- b) Complying to standards (MS 1535 and or BS EN 30 and or JIS S 2093 and or JIS S 2103 and or JIS S 2092 and or JIS S 2010);
- c) Tested by accredited laboratory; and
- d) Labelled with SIRIM-ST's label.

Regulated Gas Cooking Appliances

| 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 |

Regulated Gas Cooking Appliances



Figure 1. One burner table appliance.



Figure 2. Two burners table / hob appliance.



Figure 3. Three burners table / hob appliance.

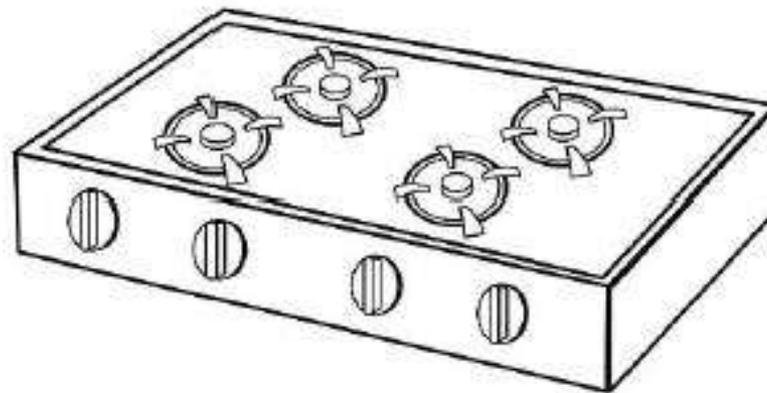


Figure 4. Four burners table / hob appliance.



Figure 5

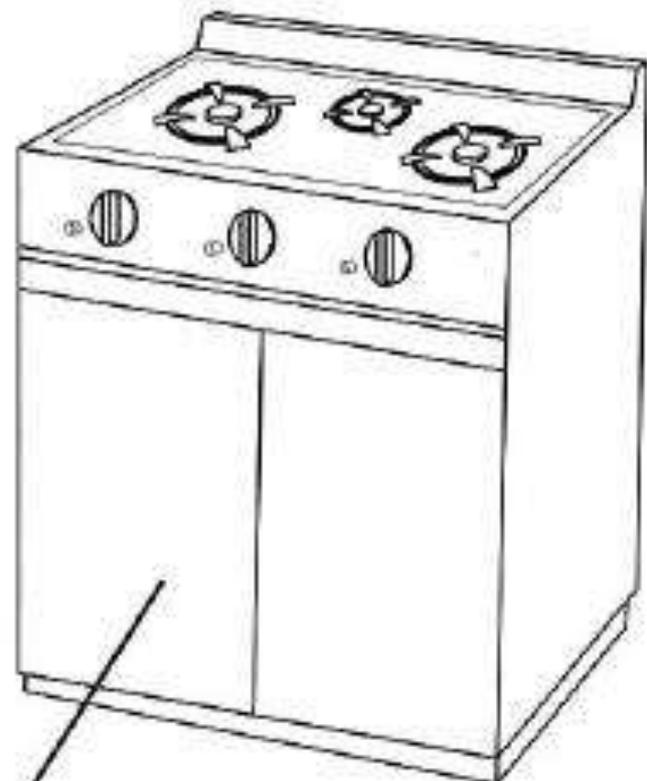


Figure 6

Cabinet

Figure 5. Two burners cabinet appliance.
Figure 6. Three burners cabinet appliance.

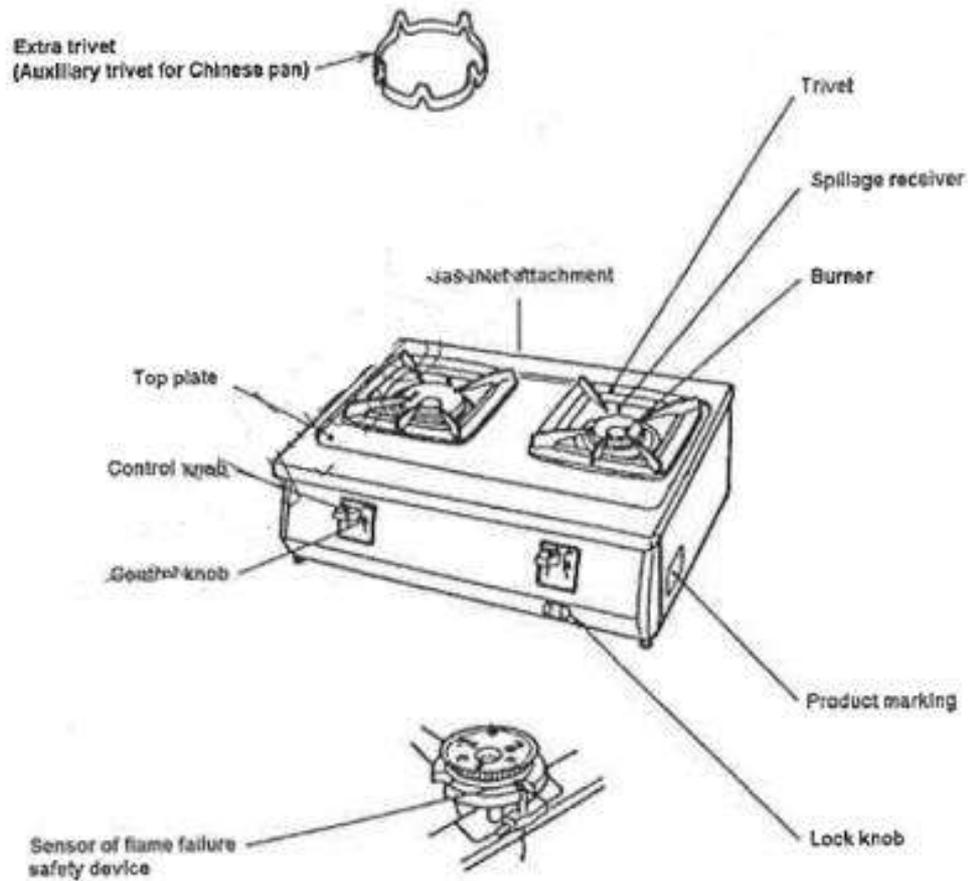


Figure 7. Part of table types appliances with two cooking burner

Non-Regulated Portable Gas Cooking Burners



Figure 1 : 1932 Portable Gas Stove.

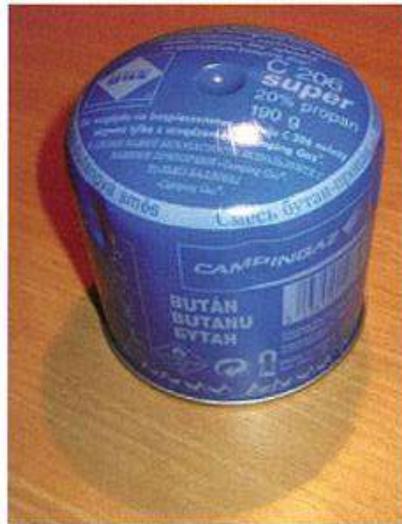


Figure 2 : Gas cartridge for portable gas cooker.



Figure 3 : Modern gas cartridge for portable gas cooker.

PERINTAH KASTAM (LARANGAN MENGENAI IMPORT) 2019

Bahagian II Jadual Keempat.

| (1) <i>Item No.</i> | (2) <i>Description of Goods</i> | (3) <i>Chapter/ Heading/ Subheading</i> | (4) <i>Country</i> | (5) <i>Manner of Import</i> |
|------------------------|---|--|-----------------------|---|
| 1. | <p>A cooking burner or an appliance that cooks by holding a pan or similar utensil on a burner;</p> <ul style="list-style-type: none">• Can potentially be used for domestic or household purposes;• Has a maximum marked gas consumption of 5.8 kW (for an appliance with only one burner) or 14 kW (for an appliance with two to four burners);• Uses Liquefied Gases (LPG) as a fuel source, whether as sole source or otherwise; and• BUT excludes burners that use gas cartridges as a fuel source. | | All countries | That the import is accompanied by a valid Certificate of Approval for gasfitting, gas appliance and gas equipment issued by SURUHANJAYA TENAGA. |

Sample SIRIM Label

- For Batch (Type 1B)



- For Local Manufacturer / Importer (Type 5)

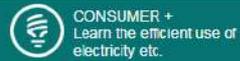


Date of Enforcement

- Fully enforced on **1st APRIL 2019**

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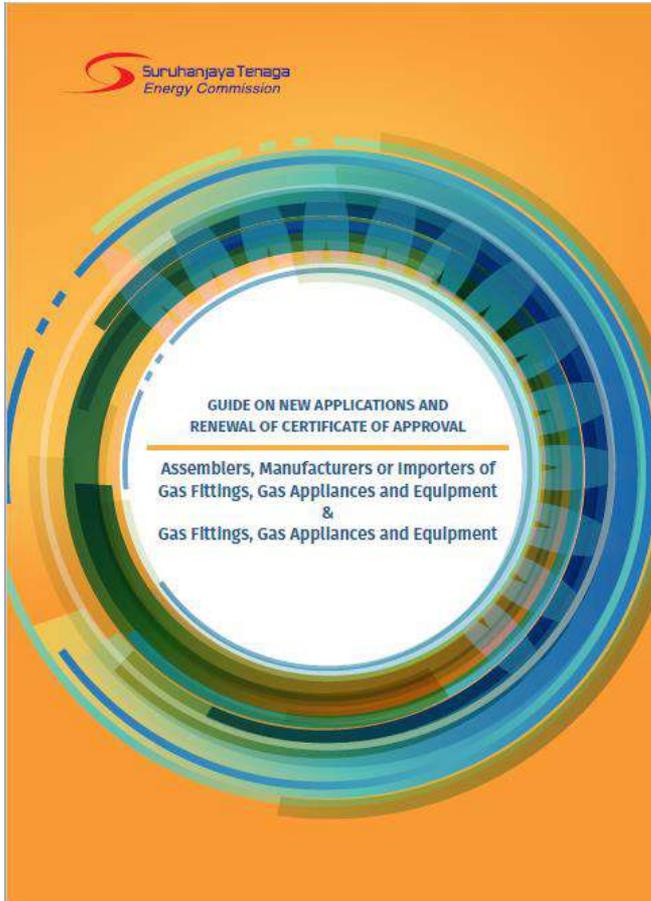
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Buletin

National Energy Balance

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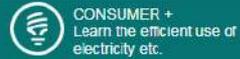


GUIDE ON NEW APPLICATIONS AND RENEWAL OF CERTIFICATE OF APPROVAL (COA)

ASSEMBLERS, MANUFACTURERS OR IMPORTERS OF GAS FITTINGS, GAS APPLIANCES AND EQUIPMENT (R116 COA)

&

GAS FITTINGS, GAS APPLIANCES AND EQUIPMENT (R117 COA)



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THANK YOU.

