

**APPROVAL OF ELECTRICAL EQUIPMENT  
(ELECTRICITY REGULATIONS 1994)**

**Information Booklet  
2005 Edition**



**Energy Commission, Malaysia  
Established under the Energy Commission  
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## APPROVAL OF ELECTRICAL EQUIPMENT

© 2005 Electrical Safety Department

Energy Commission, Malaysia

Level 13, Menara TH Perdana

Jalan Sultan Ismail

50250 Kuala Lumpur

Tel: (603) 2612 5400

Fax: (603) 2691 5584

Website: <http://www.st.gov.my>

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# APPROVAL OF ELECTRICAL EQUIPMENT

## CHAPTER 1: PREFACE

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This Information Booklet serves as a guide on the procedure of applying for the Certificate of Approval (COA) to manufacture, import, display, sell or advertise any electrical equipment prescribed under sub regulation 97(1) of the Electricity Regulations 1994 and other related requirements therein. It can be downloaded from the website [www.st.gov.my](http://www.st.gov.my).

The Energy Commission (the Commission) expressly disclaim all liability to any person in respect of any statement in or omission from this Information Booklet to the extent permitted by the law and nothing contained in this Information Booklet should be taken as constituting any amendment to the Electricity Supply Act 1990 [Act 447] or the Electricity Regulations 1994. In the event of any conflict, Act 447 or the Regulations shall at all times take precedence. This Information Booklet should not, therefore be regarded as or substitute for familiarising yourself with Act 447 or the Regulations, or where necessary, obtaining specific advice on your individual position.

The Commission reserves the right to amend and introduce new requirements to the aforementioned procedure of obtaining the COA from time to time.

Our address is:

Energy Commission  
Level 13, Menara TH Perdana  
1001, Jalan Sultan Ismail  
50250 Kuala Lumpur  
MALAYSIA

Tel: (603) 2612 5400

Fax: (603) 2691 5584

Website: <http://www.st.gov.my>

# APPROVAL OF ELECTRICAL EQUIPMENT

## CHAPTER 2: INTRODUCTION

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The objective for the issue of the COA under the Electricity Regulations 1994 is to ensure that the manufacture, import, display, sale or advertise of:

- (a) any domestic equipment;
- (b) any equipment which is usually sold direct to the general public; or
- (c) any equipment which does not require special skills in its operation, meets the specified safety requirements and efficient use of electricity.

## CHAPTER 3: WHO SHOULD BE CONCERNED WITH THIS PROCEDURE

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### **Consumers**

In line with the safety requirements as well as to safeguard the consumer's interest and to ensure the efficient use of electricity, consumers should only purchase:

- (a) any domestic equipment;
- (b) any equipment which is usually sold direct to the general public; or
- (c) any equipment which does not require special skills in its operation,

that have been approved by the Commission and affixed with the appropriate label.

Approved electrical equipment that have met the specified safety requirements and efficient use of electricity help to prevent fire, electric shock, explosion, radiation and other hazards that could result in injuries or deaths to humans and/ or damages to properties.

### **Manufacturers, Importers, Exhibitors, Sellers and Advertisers**

Manufacturers, importers, exhibitors, sellers and advertisers of any electrical equipment prescribed under sub regulation 97(1), of the Electricity Regulations 1994 must ensure that their obligations under the said Regulations are fulfilled.

This Information Booklet is to assist manufacturers, importers, exhibitors, sellers and advertisers in understanding the requirements and procedures for obtaining the COA.

## APPROVAL OF ELECTRICAL EQUIPMENT

### CHAPTER 4: KEY REGULATIONS TO NOTE

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- Regulation 97(1): No person shall manufacture, import, display, sell or advertise-
- (a) any domestic equipment;
  - (b) any equipment which is usually sold direct to the general public; or
  - (c) any equipment which does not require special skills in its operation,
- unless the equipment is approved by the Commission.
- Regulation 97(2): A Certificate of Approval to manufacture, import, display, sell or advertise the equipment shall be in Form V and W respectively as in Appendix L and M of this Information Booklet.  
(Form V & W)
- Regulation 98: Where an equipment has been approved for manufacture, import, display, sale or advertisement by the Commission, the person to whom a Certificate of Approval has been issued under regulation 97 may required by the Commission to mark or label the equipment and he shall do so in the manner to be determined by the Commission.
- Regulation 99(1): Any application for a Certificate of Approval of any equipment referred to in regulation 97 shall be made to the Commission in the manner to be determined by the Commission.
- Regulation 101: (1) The Commission may at any time by notice in writing require a person who manufactures, imports, displays, sells or advertises any equipment to deliver, with such time as be specified in the notice, samples of the equipment for an a test thereof.
- (2) If any equipment is, in the opinion of the Commission, unsafe or dangerous or likely to become unsafe or dangerous to use, the Commission may prohibit the manufacture, import, display, advertisement or sale of the equipment and may direct the person in sub regulation (1) to withdraw immediately all the equipment from use or sale and where necessary may seize and remove such equipment.
- (3) The Commission shall nor be liable to any loss or damage caused to any equipment delivered or seized and removed under sub regulation (1) or (2), as the case may be.
- Regulation 106: Renewal of a Certificate of Approval issued under Regulation 97, shall be made not less than 14 days before the date of expiry of the Certificate.
- Regulation 107(1): No Certificate of Approval issued under Regulation 97, shall be transferred by the holder of the Certificate to any other person except with the written permission of the Commission.
- Regulation 107(2): The holder of a Certificate of Approval issued under Regulation 97, shall obtain approval from the Commission in writing for any change of name or address in connection with the business and the Certificate shall be amended or replaced without payment of any fee.

## APPROVAL OF ELECTRICAL EQUIPMENT

Regulation 122: Unless otherwise made an offence under the Act, a person who contravenes or fails to comply with any of the provisions of these Regulations shall be guilty of an offence and shall, on conviction, be liable to a fine not exceeding five thousand ringgit or to imprisonment for a term not exceeding one year or to both.

## APPROVAL OF ELECTRICAL EQUIPMENT

### CHAPTER 5: PARTIES THAT NEED TO APPLY FOR CERTIFICATE OF APPROVAL (COA)

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#### **Importers**

Importers of electrical equipment under sub regulation 97(1) of the Electricity Regulations 1994 are required to apply for the COA from the Commission. An importer shall be Malaysian company registered with the Companies Commission of Malaysia.

#### **Manufacturers**

Manufacturers in Malaysia who manufacture electrical equipment under Regulation 97(1) of the Electricity Regulations 1994 are required to apply for the COA from the Commission.

#### **Exhibitors**

Exhibitors who display electrical equipment under sub regulation 97(1) of the Electricity Regulations 1994 are also required to apply for COA.

#### **Sellers and Advertisers**

Sellers and advertisers of electrical equipment are required to apply for the COA in accordance with the sub regulation 97(1), of the Electricity Regulations 1994.

## APPROVAL OF ELECTRICAL EQUIPMENT

### CHAPTER 6: LIST OF ELECTRICAL EQUIPMENT THAT REQUIRES CERTIFICATE OF APPROVAL TO MANUFACTURE, IMPORT, DISPLAY, SELL OR ADVERTISE AND THEIR APPLICABLE SAFETY AND PERFORMANCE STANDARDS

The list below is meant for reference as to descriptions, details and standards applicable to the equipment therein stated and is not exhaustive. Any other electrical equipment which are not listed but falls under the following categories:

- (a) any domestic equipment;
- (b) any equipment which is usually sold direct to the general public; or
- (c) any equipment which does not require special skills in its operation,

should be approved by the Commission pursuant to the Electricity Regulations 1994 and the applicable safety and performance standards for the said electrical equipment, can be obtained from the Commission.

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
<b>1. PLUG TOP/PLUG (15A AND BELOW)</b>	(a) An electrical device which: <ul style="list-style-type: none"> <li>• makes a detachable connection between the contacts of a socket-outlet and the conductors of a flexible cord;</li> <li>• has insulating sleeves on the line and neutral plug pins for insertion into a socket-outlet; and</li> <li>• has a maximum rating of 15 A;</li> </ul>	- Two pole plug with supply cord (max. 2.5 A)	MS 1578: 2003	BS EN 50075: 1991
		- 13A Fused plug	MS 589:PT.1:1997	BS 1363:PT.1: 1995
		- 15A Plug	MS 1577: 2003	BS 546:1950
	(b) Appliance Connectors  An electrical device which: <ul style="list-style-type: none"> <li>• is for attachment to a flexible cord; and</li> <li>• makes a detachable connection between the conductors of the cord and the pins or contacts of any low voltage appliances or equipment of a type intended or generally used for household applications</li> </ul>	- Appliance Connector	MS IEC 60320-1:1996 or MS IEC 60320-1:2003	IEC 60320-1:1994 or IEC 60320-1:2001
		- Interconnection Coupler	MS IEC 60320-2-2: 1996 or MS IEC 60320-2-2: 2003	IEC 60320-2-2: 1990 or IEC 60320-2-2: 1998

## APPROVAL OF ELECTRICAL EQUIPMENT

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	(c) An electrical device which: <ul style="list-style-type: none"> <li>extends supply from a socket-outlet;</li> <li>incorporates one or more integral socket-outlets; and</li> <li>has insulating sleeves on the line and neutral plug pins.</li> </ul>	- Adaptor (Multiways)	MS 589 PT.3:1997	BS1363:PT.3:1995
		- Integrated adaptor	MS 1144:1998	BS 5733:1995
	(d) Connecting devices for the connection of two or more electrical copper conductors.	- Cable connector (connecting device)	No corresponding MS	IEC 60998-1:2002
		- (connecting device screw-type)	No corresponding MS	IEC 60998-2-1:2002
		- (connecting device screwless-type)	No corresponding MS	IEC 60998-2-2:2002
		- (connecting device with insulation-piercing clamping units)	No corresponding MS	IEC 60998-2-3:2002
		- (twist-on connecting device)	No corresponding MS	IEC 60998-2-4:2002
		- Connecting box	No corresponding MS	IEC 60998-2-5:2002
<b>2. SWITCH AND DIMMER</b>	An electrical device which: <ul style="list-style-type: none"> <li>is an air-break switch;</li> <li>is for connection to the wiring of an electric installation;</li> <li>is primarily for mounting on a vertical surface</li> <li>is manually opened and manually closed; and</li> <li>has a rating not exceeding 63A.</li> </ul>	- General purpose switch	MS 616:PT.1:1998	IEC 60669-1:1998
		- Electronic switch	MS 616:PT.2: Sect.1:2000	IEC 60669-2-1:1996
		- Remote-control switch	MS 616:PT.2: Sect.2:2000	IEC 60669-2-2:1996
		- Time delay switch	MS 616:PT.2: Sect.3:2000	IEC 60669-2-3:1996
		- Cooker Control Unit	No corresponding MS	BS 4177:1992
<b>3. SOCKET OUTLET (15A AND BELOW)</b>	An electrical device which: <ul style="list-style-type: none"> <li>is for fixing at a point at which fixed wiring terminates;</li> <li>provides a detachable connection with the pins</li> </ul>	- Electric Shaver Socket Outlet	MS 1700:1998	EN 60742:1989
		- AC-AC adaptor/ AC-DC adaptor	No corresponding MS	IEC 61558-2-6:1997

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	connection with the pins of a plug; <ul style="list-style-type: none"> <li>has two, or three contacts; and has a maximum rating of 15 A;</li> </ul>	- AC-DC converter/adaptor (for audio-video equipment)	MS IEC 60065 :1997 or No corresponding MS or MS IEC 60065 :2003	IEC 60065 :1995 or IEC 60065:1998 or IEC 60065 :2001
		- AC-DC converter/adaptor (for IT equipment)	No corresponding MS or MS IEC 60950-1:2003	IEC 60950:1999 or IEC 60950-1:2001
		- 13A Socket-Outlet	MS 589:PT.2:1997	BS 1363:PT 2:1995
		- 13A portable socket-outlet	MS 589:PT.2:1997	BS 1363:PT 2:1995
		- 15A Socket-outlet	MS 1577:2003	BS 546:1950
		- Portable two-pin socket-outlet	MS 1579: 2003	SS 448: 2001
		<b>4. FLUORESCENT LAMPHOLDER/ STARTER HOLDER</b>	(a) LAMPHOLDER An electrical device which: <ul style="list-style-type: none"> <li>hold turbular fluorescent lamp</li> <li>but does not include:                             <ul style="list-style-type: none"> <li>A lampholder which by design is restricted to specific appliances</li> </ul> </li> </ul>	- Lampholder for tubular fluorescent lamp
(b) STARTERHOLDER An electric device which: <ul style="list-style-type: none"> <li>hold a glow starter .</li> <li>but does not include:                             <ul style="list-style-type: none"> <li>a starterholder which by design is restricted to specific appliances</li> </ul> </li> </ul>	- Starterholder for tubular fluorescent lamp		MS IEC 60400: 1999	IEC 60400:1991
<b>5. CEILING ROSE</b>	An electrical device which: <ul style="list-style-type: none"> <li>a terminal for connection to a lampholder via a cable.</li> </ul>	- Ceiling rose	MS 770:1982	BS 67:1969

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
<b>6. BAYONET CAP AND MULTIWAYS ADAPTOR</b>	<p>An electrical device which:</p> <ul style="list-style-type: none"> <li>hold a bayonet cap lamp, bayonet cap adaptor</li> </ul> <p>but does not include:</p> <ul style="list-style-type: none"> <li>a lampholder, which by design, is restricted to specific appliances</li> <li>a lampholder which is for incorporation in industrial equipment</li> </ul>	<ul style="list-style-type: none"> <li>- Bayonet cap Adaptor</li> <li>- Bayonet cap Lampholder</li> <li>- Bayonet Lamp cap</li> </ul>	MS 769:1982	No corresponding foreign standard
<b>7. FLUORESCENT LAMPFITTING EXCLUDING TUBES IF IMPORTED SEPARATELY</b>	(a) An electrical device which: <ul style="list-style-type: none"> <li>provides illumination;</li> <li>incorporate electric light sources for operation from supply voltage up to 1000V.</li> </ul>	- Fixed general purpose luminary	MS IEC 60598-1:1997 MS IEC 60598-2-1:1997	IEC 60598-1:1996 IEC 60598-2-1:1979
		- Recessed luminary	MS IEC 60598-1:1997 MS IEC 60598-2-2:1998	IEC 60598-1:1996 IEC 60598-2-2:1997
	(b) An electrical device which: <ul style="list-style-type: none"> <li>is for starting preheat type fluorescent lamps;</li> <li>is a glow-start type; and</li> <li>has an enclosure of insulating material</li> </ul>	- Glow-starter for tubular fluorescent	MS IEC 60155:1996	IEC 60155:1993
<b>8. CAPACITOR FOR FLUORESCENT LAMP</b>	<p>An electrical device which:</p> <ul style="list-style-type: none"> <li>is use together with a ballast in a lamp circuit.</li> </ul>	- Capacitors for use in tubular fluorescent lamp and circuit	MS IEC 61048:1999 MS IEC 61049:1999	IEC 61408:1991 IEC 61049:1991
<b>9. BALLAST FOR FLUORESCENT LAMP</b>	<p>An electrical device which:</p> <ul style="list-style-type: none"> <li>is for controlling the magnitude of current flowing through the discharge path of fluorescent lamp;</li> <li>is of the independent or built-in type intended for use with luminaries (portable or fixed); or</li> <li>is of the integral type such that it forms a non-</li> </ul>	- Ballast for tubular fluorescent lamp	MS 141:PT.1:1993 MS 141:PT.2: 1993  or MS IEC 61347-1:2003 MS IEC 61347-2-8:2003 MS 141:PT.2: 1993	IEC 60920:1990 IEC 60921:1988  or IEC 61347-1:2003 IEC 61347-2-8:2000 IEC 60921:1988 with modification
		- Electronic Ballast	MS IEC 60928:1995 MS IEC 60929:1995	IEC 60928:1995 IEC 60929:1990

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	<p>replaceable part of a fluorescent lamp/ballast combination; or</p> <ul style="list-style-type: none"> <li>is of the adaptor type such that it allows the insertion of a fluorescent lamp into the ballast by the user</li> </ul> <p>but does not include :</p> <ul style="list-style-type: none"> <li>a ballast which is incorporated in luminaries certified for compliance with the requirements for electrical equipment with increased safety type protection (Ex e) for use in hazardous locations.</li> </ul>		<p>or</p> <p>MS IEC 61347-1:2003</p> <p>MS IEC 61347-2-3:2003</p> <p>MS IEC 60929:1995</p>	<p>or</p> <p>IEC 61347-1:2003</p> <p>IEC 61347-2-3:2000</p> <p>IEC 60929:1990</p>
<b>10. CIRCUIT BREAKER INCLUDING AC CURRENT OPERATED EARTH LEAKAGE CIRCUIT BREAKER AND MINIATURE CIRCUIT BREAKER</b>	<p>(a) An electrical device which-</p> <ul style="list-style-type: none"> <li>isolates or initiates a tripping signal to isolate a low-voltage supply to protected circuits, socket-outlets or equipment in the event of a current flow to earth which exceeds a pre-determined level;</li> <li>has a rated residual current not exceeding 300 mA for devices intended for connection to fixed wiring or 10 mA for other devices; and</li> <li>has a rated load current not exceeding 125 A for devices intended for connection to fixed wiring or 20 A for other devices;</li> </ul> <p>but does not include-</p> <ul style="list-style-type: none"> <li>a device intended to be used with a particular circuit-breaker other than a miniature overcurrent circuit-breaker; or</li> <li>a device intended to protect an electricity supply authority distribution system.</li> </ul>	- Residual Current Circuit Breaker	<p>MS IEC 61008-1:2003</p> <p>MS IEC 61008-2-1:2003</p> <p>MS IEC 61008-2-2:2003</p>	<p>IEC 61008-1:2002</p> <p>IEC 61008-2-1:2002</p> <p>IEC 61008-2-2:2002</p>
		- RCBO	<p>MS IEC 61009-1:2003</p> <p>MS IEC 61009-2-1:2003</p> <p>MS IEC 61009-2-2:2003</p>	<p>IEC 61009-1:1996</p> <p>IEC 61009-2-1:1991</p> <p>IEC 61009-2-2:1991</p>

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	<p>(b) An electrical device which-</p> <ul style="list-style-type: none"> <li>is an enclosed air- break switch;</li> <li>opens a low voltage circuit automatically under pre-determined conditions of over-current;</li> <li>has a nominal rating not exceeding 125 A and has a current breaking capacity up to but not including 10 kA.</li> </ul>	- Miniature Circuit Breaker (MCB)	MS IEC 60898-1:1998 or MS IEC 60898-1:2003 MS IEC 60898-2:2003	IEC 60898-1:1995 or IEC 60898-1:2002 IEC 60898-2:2002
	<p>(c) An electrical appliance which –</p> <ul style="list-style-type: none"> <li>is by the fusion of one or more of its specially designed and proportioned components, opens the circuit in which it is inserted and breaks the current when this exceeds a given value for a sufficient time. The fuse comprised all the parts that from the complete device.</li> </ul>	- Fuse Base & Carrier up to 32A	MS IEC 60269-1:2003 No corresponding MS	IEC 60269-1:1998 IEC 60269-2:1995
		- Fuse/Fuse Link up to 63 A	MS IEC 60269-2-1:2003 MS 1586-3:2003 MS IEC 60269-3-1:2003	IEC 60269-2-1:1996 IEC 60269-3:1987 IEC 60269-3-1:2001
		- Switch fuse up to 63A.	MS IEC 60947-1 :1996 MS IEC 60947-3 :2000	IEC 60947-1:1996 IEC 60947-3:1999
<b>11. WATER HEATER INCLUDING HEATING ELEMENTS IF IMPORTED SEPARATELY</b>	<p>Water Heater</p> <p>An electrical appliance which–</p> <ul style="list-style-type: none"> <li>is for heating and storage of water for bathing, washing or similar purposes;</li> <li>incorporates a heating element;</li> <li>is unvented; and</li> <li>has a storage capacity not less than 4.5 L or not more than 680 L;</li> </ul>	- Electric Stationary	<b>MS 472:PT.3: SEC.3.1:1986</b> or MS IEC 60335-1:2003 MS 1597-2-35:2003	<b>BS 3456: PT.3. SEC.3.9: 1979</b> or IEC 60335-1:2001 IEC 60335-2-35:2002 with modification
		- Instantaneous Water Heater		
		- Electric Storage Water Heater	MS IEC 60335-1:1995 MS IEC 60335-2-21:2000	IEC 60335-1:1991 IEC 60335-2-21:1997

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	<p>or</p> <ul style="list-style-type: none"> <li>is for heating water;</li> <li>is of the instantaneous type;</li> </ul> <p>and</p> <ul style="list-style-type: none"> <li>incorporates live parts in contact with water.</li> </ul>			
<b>12. HAND OPERATED HAIR DRYER</b>	<p>An electrical appliance which–</p> <ul style="list-style-type: none"> <li>is a household type or a commercial hand-held type; and</li> <li>is for drying, styling or the caring of human hair</li> </ul>	<ul style="list-style-type: none"> <li>- Electric Hair Dryer</li> <li>- Electric Hair Styling Set</li> </ul>	<p>MS IEC 60335-1:2003</p> <p>MS IEC 60335-2-23:1999</p> <p>or</p> <p>MS IEC 60335-1:2003</p> <p>MS IEC 60335-2-23:2003</p>	<p>IEC 60335-1:1991</p> <p>IEC 60335-2-23:1996</p> <p>or</p> <p>IEC 60335-1:2001</p> <p>IEC 60335-2-23:2003</p>
<b>13. TABLE LAMPS HAVING ACCESSIBLE METAL PART</b>	<p>(a) An electrical appliance which -</p> <ul style="list-style-type: none"> <li>is a household type;</li> <li>provides illumination or for decorative purposes, produces light;</li> <li>is fitted with a supply flexible cord, an appliance inlet socket or a power supply unit with integral pins for insertion into a socket outlet;</li> <li>is for standing on a table or floor, or is fitted with a clamp or similar for attachment to vertical or horizontal surfaces;</li> <li>is for use with tungsten filament, tubular fluorescent or other discharge lamps; and</li> </ul>	<ul style="list-style-type: none"> <li>-Electric Standing Lamp</li> <li>- Electric Table Lamp</li> </ul>	<p>MS IEC 60598-1:1997</p> <p>MS IEC 60598-2-4:1997</p> <p>or</p> <p>MS IEC 60598-1:2003</p> <p>MS IEC 60598-2-4:2003</p>	<p>IEC 60598-1:1996</p> <p>IEC 60598-2-4:1979</p> <p>or</p> <p>IEC 60598-1:2000</p> <p>IEC 60598-2-4:1997</p>

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	<ul style="list-style-type: none"> <li>is constructed to represent a model, person or animal and by its design and materials is likely to be treated by a child as a toy; or</li> <li>has metal parts which are required to be earthed or double insulated from live parts (excluding live parts of an all insulate lampholder)</li> </ul>			
	<p>(b) An electrical appliance which -</p> <ul style="list-style-type: none"> <li>is for inspection purposes using illumination;</li> <li>holds an incandescent or discharge lamp; and</li> <li>is hand held;</li> </ul> <p>but does not include</p> <ul style="list-style-type: none"> <li>handlamp with a magnification facility</li> </ul>	- Electric Hand Lamp	<p>MS IEC 60598-1: 1997</p> <p>MS IEC 60598-2-8: 1998</p>	<p>IEC 60598-1:1996</p> <p>IEC 60598-2-8: 1996</p>
<b>14. KETTLE INCLUDING HEATING ELEMENTS IF IMPORTED SEPARATELY</b>	<p>An electrical appliance which–</p> <ul style="list-style-type: none"> <li>is a household type;</li> <li>is portable;</li> <li>has a capacity not exceeding 10L; and</li> <li>heats liquid for: <ul style="list-style-type: none"> <li>- humidifying room air; or</li> <li>- use in, or as, a hot beverage; or</li> <li>- cooking</li> </ul> </li> </ul>	- Electric Warming Plate	MS IEC 60335-2-12: 2003	IEC 60335-2-12:2002
		<ul style="list-style-type: none"> <li>- Electric Coffee / Tea Maker</li> <li>- Electric Food Steamer</li> <li>- Electric Egg Boiler</li> <li>- Electric Jug</li> <li>- Electric Slow Cooker</li> <li>- Electric Steam Boat</li> <li>- Electric Kettle</li> <li>- Electric Airpot</li> <li>- Electric Steam Generator Appliance</li> <li>- Electric Heating Elements for Kettle</li> </ul>	MS IEC 60335-2-15:2004	IEC 60335-2-15:2002

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
		- Electric Deep fryer	MS IEC 60335-2-13:1995	IEC 60335-2-13:1993
		- Electrical Multi-purpose cooker	MS IEC 60335-2-9:1995 MS IEC 60335-2-13:1995 MS IEC 60335-2-15:2004	IEC 60335-2-9:1993 IEC 60335-2-13:1993 IEC 60335-2-15:2002
		- Electric Built in Hob	MS IEC 60335-2-36:2003	IEC 60335-2-36:2002
<b>15. IRON</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>is a household type;</li> <li>is for smoothing or pressing fabric by the application of heat or steam; and</li> <li>is hand held except for any separate steam generator;</li> </ul> and include: <ul style="list-style-type: none"> <li>any associated equipment</li> </ul>	- Electric Iron	MS IEC 60335-2-3:1995	IEC 60335-2-3:1993
<b>16. SHAVER</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>is a household type; and</li> <li>shaves, cuts or trims human hair</li> </ul>	- Electric Hair Clipper - Electric Shaver	MS IEC 60335-2-8:2002	IEC 60335-2-8:1992
<b>17. FOOD MIXER / BLENDER (KITCHEN MACHINE)</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>is a household type;</li> <li>is for the preparation of food by mechanical means; or</li> <li>is for opening can; or</li> <li>is for sharpening of knives</li> </ul>	- Electric Blender - Electric Chopper - Electric Food Processor - Electric Juice Extractor - Electric Grinder - Electric Mixer	MS IEC 60335-2-14:2003	IEC 60335-2-14:2002
<b>18. IMMERSION WATER HEATER</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>is a household type;</li> </ul>	- Electric Fixed Immersion Heater	MS IEC 60335-2-73:2003	IEC 60335-2-73:2002

## APPROVAL OF ELECTRICAL EQUIPMENT

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	<ul style="list-style-type: none"> <li>is for heating liquid in which it may be immersed; and</li> <li>is self contained; and includes -</li> <li>aquarium type immersion heaters</li> </ul>	- Portable Immersion Heater	MS IEC 60335-2-74: 1996	IEC 60335-2-74: 1994
<b>19. HI-FI SET</b>	<p>An electronic device which-</p> <ul style="list-style-type: none"> <li>is a household type;</li> <li>is reproduction of sound, with little distortion connected to the supply mains as the only energy source intended for domestic and similar general indoor use with a rated supply voltage not exceeding 250 volts rms.</li> </ul>	<ul style="list-style-type: none"> <li>- Sub-woofer</li> <li>- Amplifier</li> <li>- Cassette Player</li> <li>- Equalizer / Mixer</li> <li>- Hi-Fi System</li> <li>- Karaoke</li> <li>- PA System</li> <li>- Portable Hi-Fi System</li> <li>- Portable Radio Cassette Player / Recorder</li> <li>- Radio</li> <li>- Radio Alarm</li> <li>- Tuner / Receiver</li> <li>- Turn tables / Record Players</li> <li>- Compact Disc Player</li> </ul>	<p>MS IEC 60065: 1997</p> <p>or</p> <p>No corresponding MS</p> <p>or</p> <p>MS IEC 60065: 2003</p>	<p>IEC 60065:1995</p> <p>or</p> <p>IEC 60065:1998</p> <p>or</p> <p>IEC 60065:2001</p>
<b>20. MOSQUITO MATT VAPORISER</b>	<p>An electrical appliance which-</p> <ul style="list-style-type: none"> <li>is a household type; and</li> <li>Is for heating mosquito matt, aroma vapor.</li> </ul>	<ul style="list-style-type: none"> <li>- mosquito matt vapor</li> <li>- electric aroma vapor</li> </ul>	<p>MS IEC 60335-1:2003</p> <p>MS IEC 60335-2-101:2003</p>	<p>IEC 60335-1:2001</p> <p>IEC 60335-2-101:2001</p>

## APPROVAL OF ELECTRICAL EQUIPMENT

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
<b>21. TOASTER / OVEN (COOKING APPLIANCE)</b>	<p>An electrical appliance which–</p> <ul style="list-style-type: none"> <li>• is a household type; and</li> <li>• is for toasting bread or similar foods;</li> <li>• is for cooking or warming food by electrical energy;</li> <li>• applies heat to food, liquid or other substances in a chamber by means of high-frequency electromagnetic radiation</li> </ul>	<ul style="list-style-type: none"> <li>- Electric Bread Maker</li> <li>- Electric Bread Toaster</li> <li>- Electric Portable Oven</li> <li>- Portable Induction Cooker</li> <li>- Electric Griller</li> <li>- Electric Sandwich Maker/ Waffle Maker</li> <li>- Electric Roaster</li> </ul>	<p>MS IEC 60335-1:1995</p> <p>MS IEC 60335-2-9:1995</p>	<p>IEC 60335-1:1991</p> <p>IEC 60335-2-9:1993</p>
		<ul style="list-style-type: none"> <li>- Electric Stationary Electric Oven</li> <li>- Electric Induction Hob</li> </ul>	<p>MS 1597:Part 2:2003</p>	<p>IEC 60335-2-6:2002</p>
		<ul style="list-style-type: none"> <li>- Electric Microwave Oven</li> </ul>	<p>MS IEC 60335-2-25:1995</p>	<p>IEC 60335-2-25:1993</p>
<b>22. FAN</b>	<p>An electrical appliance which–</p> <ul style="list-style-type: none"> <li>• is a household type;</li> <li>• has a primary function of moving air in its vicinity; and</li> <li>• is self contained;</li> </ul>	<ul style="list-style-type: none"> <li>- Electric moving-louver fan &amp; regulator</li> <li>- Electric ceiling fan &amp; regulator</li> <li>- Electric auto fan &amp; regulator</li> <li>- Electric pedestal fan &amp; regulator</li> <li>- Electric table fan &amp; regulator</li> <li>- Electric wall fan &amp; regulator</li> </ul>	<p>MS IEC 60335-1:1995</p> <p>MS 1219:Pt.2: 2002</p> <p>MS 1220:2001</p>	<p>IEC 60335-1:1991</p> <p>IEC 60335-2-80:1997</p> <p>IEC 60879:1986 with modification</p>
		<ul style="list-style-type: none"> <li>- Electric range hood</li> </ul>	<p>No corresponding MS</p>	<p>IEC 60335-2-31</p>
		<ul style="list-style-type: none"> <li>- Electric ventilating fan &amp; regulator</li> </ul>	<p>MS 1219:Pt.2: 2002</p>	<p>IEC 60335-2-80:1997</p>
		<ul style="list-style-type: none"> <li>- Electric Air Cooler</li> </ul>	<p>MS IEC 60335-2-98:2003</p>	<p>IEC 60335-2-98:2002</p>

## APPROVAL OF ELECTRICAL EQUIPMENT

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
<b>23. TELEVISION</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>• is for household use;</li> <li>• is for the display of public or subscription television broadcasts;</li> </ul>	- Television	MS IEC 60065:1997 or No corresponding MS or MS IEC 60065:2003	IEC 60065:1995 or IEC 60065:1998 or IEC 60065:2001
<b>24. VACUUM CLEANER</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>• is a household type;</li> <li>• is portable; and</li> <li>• removes dust, dirt or moisture and the like from floor coverings by suction; or</li> <li>• removes garden refuse from lawns or paths and the like by suction.</li> </ul>	- Carpet Cleaner - Vacuum Cleaner & Accessory	MS IEC 60335-1:1995 MS IEC 60335-2-2:1995	IEC 60335-1:1991 IEC 60335-2-2:1993
<b>25. VIDEO PLAYER</b>	An electronic device which– <ul style="list-style-type: none"> <li>• is a household type;</li> <li>• is video recording and playback or for playback only, connected to the supply mains either directly or indirectly and intended for domestic and similar general indoor use.</li> </ul>	- VCD player - Laser Disc Player - Video Cassette Recorder / Player - DVD Player - Video Rewinder - Children Video Game	MS IEC 60065:1997 or No corresponding MS or MS IEC 60065:2003	IEC 60065:1995 or IEC 60065:1998 or IEC 60065:2001
<b>26. WASHING MACHINE</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>• is a household type; and</li> <li>• is used for washing clothes.</li> </ul>	- Electric Washing Machine	MS IEC 60335-1:1995 MS IEC 60335-2-4:1995 MS IEC 60335-2-7:1995 or MS IEC 60335-1:2003 MS IEC 60335-2-4:2003 MS IEC 60335-2-7:2003	IEC 60335-1:1991 IEC 60335-2-4:1993 IEC 60335-2-7:1993 or IEC 60335-1:2001 IEC 60335-2-4:2002 IEC 60335-2-7:2002

## APPROVAL OF ELECTRICAL EQUIPMENT

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
		- Electric Cloth Dryer	MS IEC 60335-1:2003  No corresponding MS	IEC 60335-1:2001  IEC 60335-2-43:2002
<b>27. REFRIGERATOR</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>is a household type; and</li> <li>cools and stores food.</li> </ul>	- Electric Refrigerator  - Electric Freezer  - Electric Minibar	MS IEC 60335-1:1995 MS IEC 60335-2-24: 2002	IEC 60335-1:1991  IEC 60335-2-24:1997
<b>28. RICE COOKER</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>is a household type; and</li> <li>is use for cooking rice.</li> </ul>	- Rice Cooker	MS IEC 60335-1:1995 MS IEC 60335-2-15: 1999 or MS IEC 60335-1:2003 MS IEC 60335-2-15: 2004	IEC 60335-1:1991  IEC 60335-2-15:1995 or IEC 60335-1:2001  IEC 60335-2-15:2002
<b>29. CHRISTMAS LIGHT</b>	An electrical appliance which– <ul style="list-style-type: none"> <li>is for decorative,</li> <li>display or illumination purposes; and</li> <li>consists of – <ul style="list-style-type: none"> <li>- lamps or lampholders interconnected by flexible cord of less than 2.5 square millimeters cross-sectional area; or</li> <li>- lamps within a flexible enclosure;</li> </ul> </li> <li>and includes –</li> <li>any integral power supply or control device</li> </ul>	- Lighting Chain	MS IEC 60598-1:1997  MS IEC 60598-2-20:1998	IEC 60598-1:1996  IEC 60598-2-20:1996
<b>30. DOMESTIC POWER TOOLS (PORTABLE TYPE)</b>	(a) An electrical appliance which – <ul style="list-style-type: none"> <li>is for machining, drilling, sawing, or surface preparation; and</li> <li>may be entirely supported by hand during operation</li> </ul> but does not include - <ul style="list-style-type: none"> <li>a tool, portable type, promoted exclusively to</li> </ul>	- Electric Circular Saw and circular knife (Cutting Blade up to 160 mm)	No corresponding MS	IEC 60745-1:2001  IEC 60745-2-5: 2003
		- Electric Drill (Drill bit size up to 10 mm)	No corresponding MS	IEC 60745-1:2001  IEC 60745-2-1: 2003
		- Electric Grinder (up to 100 mm)	No corresponding MS	IEC 60745-1:1982  IEC 60745-2-3: 1984

## APPROVAL OF ELECTRICAL EQUIPMENT

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	industry	- Electric Sander (up to 300 W)	No corresponding MS	IEC 60745-2-4: 2002
		- Electric spray gun for non-flammable liquid (up to 100 bars)	No corresponding MS	IEC 60745-2-7: 1989
		- Electric Jig and Sabre Saw (up to 60 mm)	No corresponding MS	IEC 60745-2-11: 2003
		- Electric Planer (up to 500 W)	No corresponding MS	IEC 60745-2-14: 1984
		- Trimmer (up to 300 W)	No corresponding MS	IEC 60745-2-15: 1984
		- Electric hedge trimmer and Grass shear (up to 750 W)	No corresponding MS	IEC 60745-2-15: 1984
		- Electric Router and trimmer (up to 500 W)	No corresponding MS	IEC 60745-2-17: 2003
		- High Pressure Cleaner	No corresponding MS	IEC 60335-1:1995 IEC 60335-2-79: 1995
	(b) An electrical appliance which – <ul style="list-style-type: none"> <li>is a household type; and</li> <li>is for stitching fabric or other material</li> </ul>	- Sewing Machine	MS IEC 60335-1:2003 MS IEC 60335-2-28:2003	IEC 60335-1:2001 IEC 60335-2-28:2002
	(c) An electrical appliance which – <ul style="list-style-type: none"> <li>is for the application or removal of solder; and</li> <li>is hand held; but does not include -</li> <li>a soldering iron promoted exclusively to industry</li> </ul>	- Electric Soldering Iron	MS IEC 60335-1: 2003 MS IEC 60335-2-45:2002	IEC 60335-1:2001 IEC 60335-2-45:1996
	(d) An electrical appliance which - <ul style="list-style-type: none"> <li>is a household type;</li> <li>is for charging batteries other than those of the automotive type;</li> </ul>	- Portable Battery Charger (up to 12V)	MS IEC 60335-1: 2003 MS IEC 60335-2-29: 2003	IEC 60335-3:2001 IEC 60335-2-29: 2002

## APPROVAL OF ELECTRICAL EQUIPMENT

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	<ul style="list-style-type: none"> <li>• is self contained;</li> <li>• is for charging one or more batteries for use in other equipment; and</li> <li>• charges the batteries while they are ON or in</li> <li>• the charger</li> </ul>			
<b>31. WIRE / CABLE / CORD (non-armoured) 0.5 mm<sup>2</sup> to 35 mm<sup>2</sup></b>	An electrical cord which – <ul style="list-style-type: none"> <li>• is unscreened and flexible ;</li> <li>• is designed for use at low voltage ;</li> <li>• consists of two or three elastomer or PVC insulated cores of multistrand construction ;</li> <li>• has a cross-sectional area of each conductor from 0.5 mm.sq. not exceeding 35 mm.sq.</li> </ul>	- Insulated flexible cord and cable - Polyvinyl chloride Insulated flexible cord - Rubber insulated cord and flexible cables	MS 140:1987	BS 6500:1984
		- PVC-insulated cable (non-armoured) for electric power and supply	MS 136:1987 or MS 136:1995	BS 6004:1984 or BS 6004:1991

**NOTE:**

MS: MALAYSIAN STANDARD

IEC: INTERNATIONAL ELECTROTECHNICAL COMMISSION

BS: BRITISH STANDARD

\*\* For electrical equipment tested under IEC or BS standard are subjected to additional test to include national deviation (e.g. voltage and frequency).

### CHAPTER 7: APPLICATION OF CERTIFICATE OF APPROVAL FOR ELECTRICAL EQUIPMENT

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#### A. Application Procedure

The applicant is required to complete **Form ST (PE) 3** (as per **Appendix E**) and to be attached together with:

- A processing fee of RM20.00 (Ringgit Malaysia Twenty only);
- Test report including the list of components;
- Instruction manual;
- Technical specification and catalogue; and
- Submit a sample of the product, if requested.

The guideline for completing Form ST (PE) 3 is as per **Appendix F**.

Refer to the flow chart in **Appendix A** as for the process of COA.

#### B. Type Test Report

- (i) The type test reports that are recognised by the Commission are as below;-
  1. SIRIM Berhad (SIRIM) or laboratories under Laboratory Accreditation Scheme of Malaysia (SAMM) by Department of Standard Malaysia (DSM); or
  2. Laboratory under the IECEE CB Scheme. The list of the laboratory is available from their website <http://www.cbscheme.org>. The CB test report need to be accompanied by the CB test certificate; or
  3. Laboratories (in the scope of its' accreditation) which are accredited by the accreditation body that have signed the Asia Pacific Laboratory Accreditation Cooperation (APLAC) MRA – <http://www.aplac.org>. The test reports need to be accompanied with conformation letter from DSM; or
  4. Laboratories (in the scope of its' accreditation) listed as Designated Testing Laboratory under ASEAN Sectoral Mutual Recognition Agreement for Electrical and Electronic Equipment.
- (ii) For items (2), (3) and (4), testing should include the national deviation in Malaysia. Failing which, additional tests need to be carried out by SIRIM; for example, to test voltage rating at 240 V for single phase or at 415 V for three phase and the frequency at 50 Hz.
- (iii) Test report must be either Bahasa Malaysia or English language.

#### C. Annual Fee

An annual fee of RM200.00 for 240 V (single phase) and RM300.00 for 415 V (three phase) shall be paid upon approval of the COA.

#### D. Requirement For Manufacturing

Electrical equipment that have been approved for manufacturing shall enter the SIRIM's Product Certification Scheme (PCS) using application Form PCS in **Appendix G**. The flow chart of the PCS is as per **Appendix C**. The electrical equipments shall be affixed with the label issued by SIRIM. Application for the purchase of SIRIM's label is in Form PCS/FOR12-1 as per **Appendix J**.

## APPROVAL OF ELECTRICAL EQUIPMENT

### **E. Requirement For Importing**

Electrical equipments that have been approved for importing into Malaysia shall comply with the consignment test by SIRIM's using application Form PP7 (as per **Appendix H**) for every batch within the validity of the COA. The flow chart of the consignment test is as per **Appendix D**. The electrical equipments shall be affixed with the label issued by SIRIM. Application for the purchase of SIRIM's label is in Form PP8 (as per **Appendix I**).

## APPROVAL OF ELECTRICAL EQUIPMENT

### CHAPTER 8: RENEWAL OF CERTIFICATE OF APPROVAL FOR MANUFACTURE, IMPORT, DISPLAY OR ADVERTISE OF ELECTRICAL EQUIPMENT

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Renewal of a COA shall be made not less than 14 days before the date of expiry of the COA.

#### A. Application Procedure

(i) Application for the renewal of COA must be attached together with:

1. A certified copy of the COA;
2. Annual renewal fee of **RM100.00** for 240V (single phase) and **RM200.00** for 415V (three phase).
3. Latest test report from testing laboratories recognised by the Commission, if the type test report **more than 5 years** from the date of testing. The test report must have the validity at least one year from date of application received by the Commission.
4. Proof of purchase of the SIRIM's label in the form of **SIRIM PP8** for the period of importing and consignment invoice or copy of consignment test report issued by SIRIM – for the renewal application for COA for import.
5. Proof of purchase of SIRIM's label in the form of **PCS/FOR12-1** or copy of valid Product Certification license issued by SIRIM – for the renewal application for the COA for manufacture.

(ii) Renewal of the COA for manufacture, import, display, sell and advertise of electrical equipment shall be made not less than 14 days from the date of the expiry of the COA, in compliance with the Electrical Regulations 1994.

(iii) Renewal for the COA will be approved provided that the application has fulfilled all stipulated procedures in para (i) and submit not less than 14 days prior to expiry date of the COA. Applicants are strongly advised to submit application as early as possible.

(iv) Renewal for the COA received less than 14 days prior to the expiry of the COA will be rejected. In this case applicants need to apply for a new COA as stipulated under Chapter 7 of this Information Booklet.

(v) Refer to the flow chart in **Appendix B** as for the renewal process of COA.

**CHAPTER 9: NATIONAL DIFFERENCES RELATED TO RATINGS (VOLTAGE AND FREQUENCY) AND ASSOCIATED MARKING**

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1. Nominal Voltages and Frequency

The nominal supply voltages and frequency for household and similar electrical use in Malaysia are as follows:

- a) 240V, 50Hz for Single-phase, a.c. systems
- b) 415V, 50Hz for Three-phase, 3-wire or 4-wire A.C. systems.

The supply voltage and frequency at any point of the system under normal conditions are allowed to fluctuate between +5% and -10% from 240/415V and  $\pm 1\%$  from 50Hz respectively (Refer to MS 406: 1996).

In line with the above, the electrical products to be used in Malaysia shall be designed to operate at the country's nominal voltage and frequency as follows:

a) Voltage

**Single-phase product** shall be rated/marked at 240V. If the product is rated with multiple or a range of voltages, 240V shall be included. Testing shall be conducted based on 240V, and other relevant voltages, if the product is marked with multiple or a range of voltages.

**Three-phase product** shall be rated/marked at 415V. If the product is rated with multiple or a range of voltages, 415V shall be included. Testing shall be conducted based on 415V, and other relevant voltages, if the product is marked with multiple or a range of voltages.

b) Frequency

Product shall be rated/marked at 50Hz and testing shall be conducted at 50Hz. If the product is marked with 50/60Hz or 50-60Hz then testing shall be conducted either at 50Hz or 60Hz, whichever is more unfavourable.

2. Power supply cord and mains plug requirements.

The appliances shall be fitted with a suitable and appropriate **approved** power supply cord and mains plug. Both are regulated products and must be approved by the regulatory body before it can be used with the appliances.

The power supply cord shall be certified to MS 140 or BS 6500 or IEC 60227-5 (PVC insulated - flexible cables/cords) or IEC 60245-4 (Rubber insulated - flexible cables/cords) .

The mains plug to be used in Malaysia shall be as follows:

- a) **13A, fused plugs** complying to MS 589: Part 1 or BS 1363: Part 1;
- b) **15A, plugs** complying to MS 1577 or BS 546;
- c) **2.5A, 250V, flat non-rewireable two-pole plugs with cord for the connection of class II equipment** complying to MS 1578 or BS EN 50075.

3. Class 0 and class 01 appliances as defined in MS IEC 60335 series or IEC 60335 series are not allowed to be used in Malaysia.

## APPROVAL OF ELECTRICAL EQUIPMENT

4. a) Regulated minimum energy efficiency standards for electrical fans namely ceiling fans, wall fans, table fans, pedestal fans and box fans, are as follows:

No.	Type of fans	Minimum Co-efficient of performance (COP) (m <sup>3</sup> /min/W)
1.	Ceiling Fan (1200 mm / 48 inch – 1500 mm / 60 inch)	2.5
2.	Pedestal Fan (250 mm / 10 inch – 400 mm / 16 inch)	1.0
3.	Table / Desk Fan (250 mm / 10 inch – 400 mm / 16 inch)	1.0
4.	Wall Fan (250 mm / 10 inch – 400 mm / 16 inch)	1.0
5.	Box Fan (250 mm / 10 inch – 350 mm / 14 inch )	0.5

Where, 
$$\text{COP} = \frac{\text{Air Delivery (m}^3\text{/min)}}{\text{Input Wattage (W)}}$$

*The test method used to determine COP is in accordance with MS 1220: 2001.*

- b) Suspension System for Electric Ceiling Fans.

Electric ceiling fans must be provided with a special wire as a secondary suspension system. The test method used to check compliance that the secondary suspension system of the electric ceiling fan has adequate mechanical strength is in accordance with MS 1219: Part 2: 2002.

5. Components used for Fixed General Purpose Luminaires (MS IEC 60598-2-1) and Recessed Luminaires (MS IEC 60598-2-2) shall comply and be certified according to the following standards:

## APPROVAL OF ELECTRICAL EQUIPMENT

Components	Standards
Glow-Starters	MS IEC 60155
Starterholder	MS IEC 60400
Lampholders	MS IEC 60400
Capacitors	MS IEC 61048 & MS IEC 61049
Connecting devices	IEC 60998 (Series)
Conventional Ballast	<u>Safety test:</u> a) MS 141: Part 1 (IEC 60920 MOD) <b>OR</b> b) MS IEC 61347-1 + MS IEC 61347-2-8  <u>Performance test:</u> MS 141: Part 2 (IEC 60921 MOD)  Note : <b>Ballast Watt Loss shall not be more than 6W for ballast of 18/20W and 36/40W.</b>
Electronic Ballast	<u>Safety test:</u> MS IEC 61347-1 + MS IEC 61347-2-3  <u>Performance test:</u> MS IEC 60929
Internal wiring	MS 136 or BS 6004 or IEC 60227-3  The insulating material of internal wiring must be capable of withstanding the maximum temperature to which it is subjected (heat resistance).

### 6. Climatic Condition

Apparatus to be used in Malaysia shall be subjected to tests under tropical conditions as specified in the related standards.

## CHAPTER 10: LABELLING OR CERTIFICATION MARK

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### **Objective and rationale**

Labeling or marking of regulated electrical equipment will enable consumers to differentiate between the approved and non-approved regulated electrical equipment. It also serves as a deterrent and a means to check for non-approved regulated electrical equipment in the market.

### **Labeling or Marking**

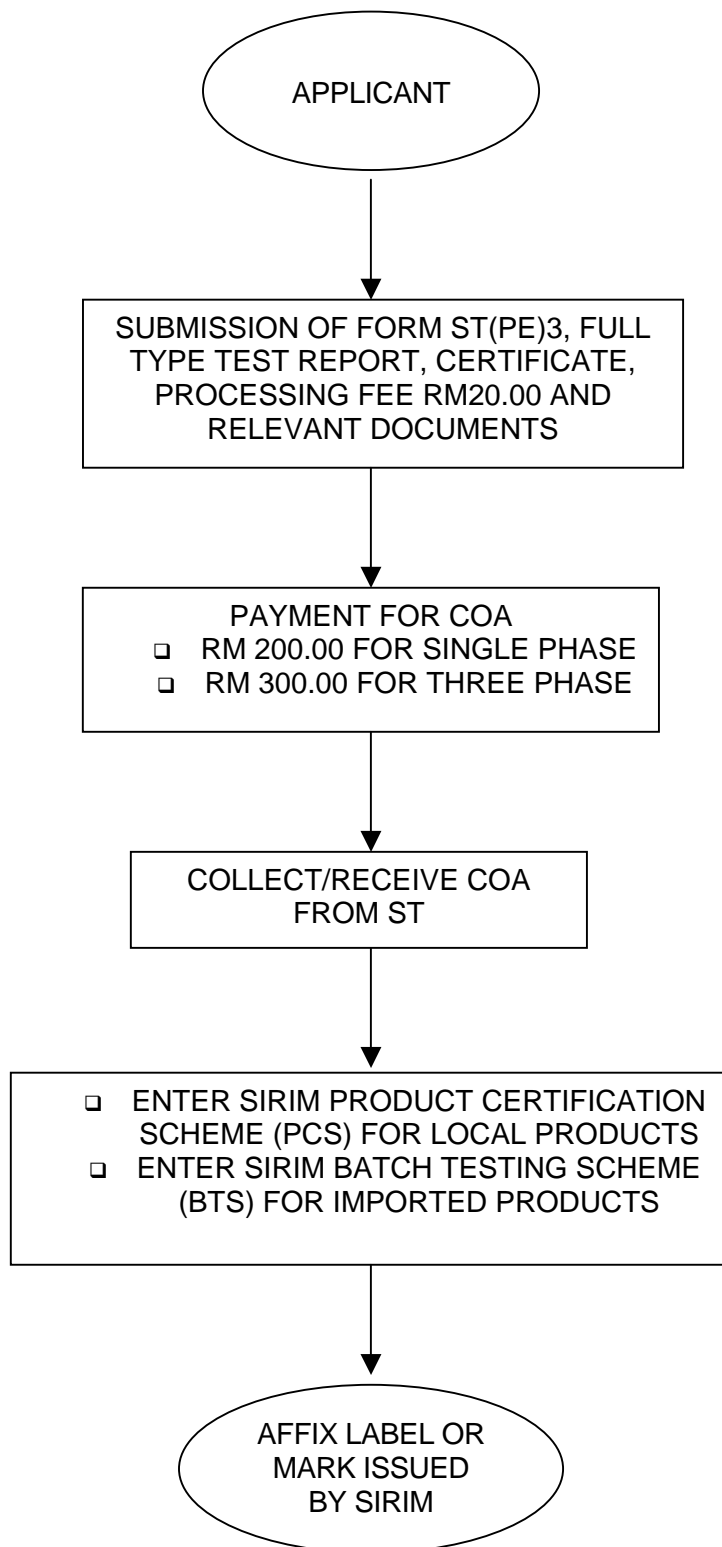
All regulated electrical equipment approved by the Commission must be labeled in accordance with regulation 98 of the Electricity Regulations 1994. SIRIM Certification Mark is used on electrical equipment that is too small to be affixed with SIRIM label such as lampholder, starterholder and glow starter. The manufacturers participating in SIRIM Label Licensing Programmed also use the SIRIM Certification Mark.

The Manufacturer, importer, exhibitor, seller or advertiser is responsible to ensure that the regulated electrical equipment is affixed with appropriate label or SIRIM Certification Mark whichever is applicable. The Commission will conduct surveillance/enforcement from time to time on manufacturers' or importers' premises and distributors' outlets.

### **Where to affix SIRIM label or SIRIM Certification Mark**

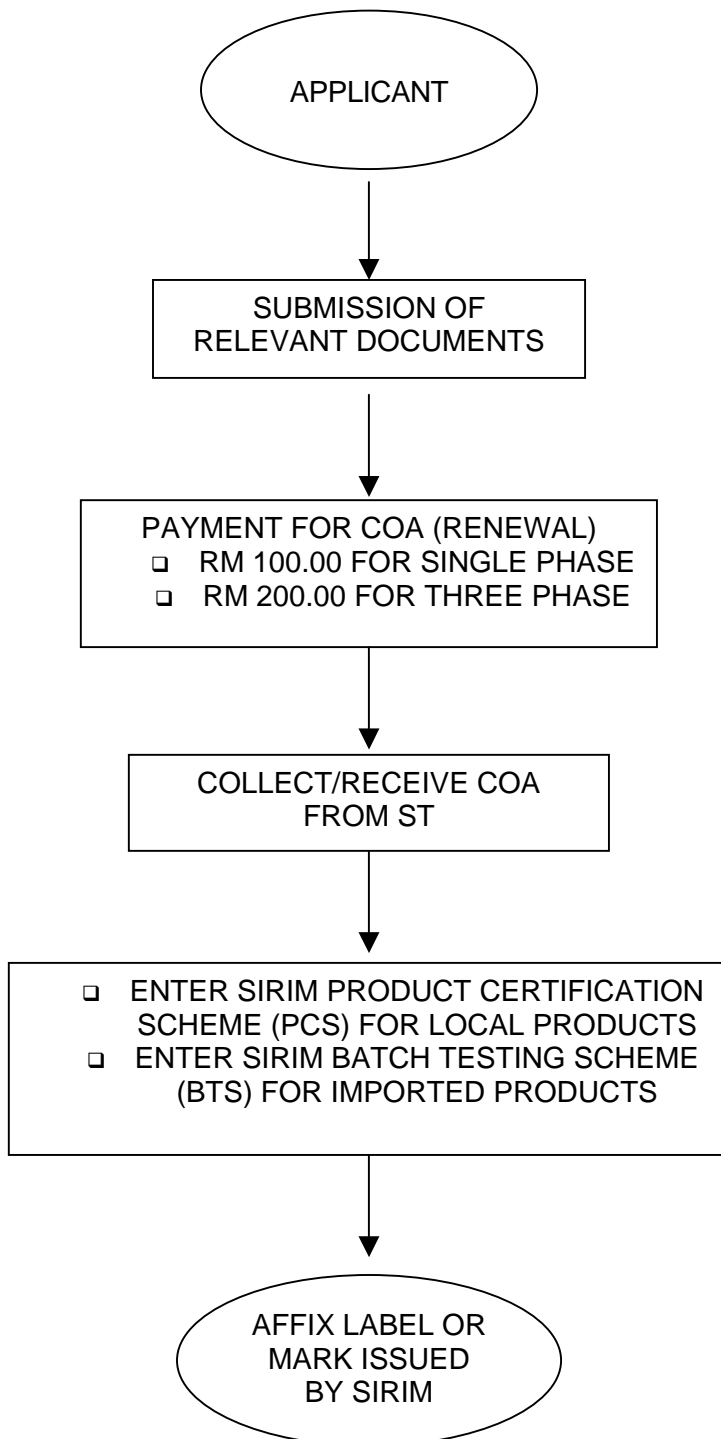
The SIRIM label or SIRIM Certification Mark shall be affixed on the regulated electrical equipment itself with legible manner. The SIRIM label cannot be affixed on the packaging.

**FLOW-CHART FOR THE PROCESS OF CERTIFICATE OF APPROVAL (COA)**

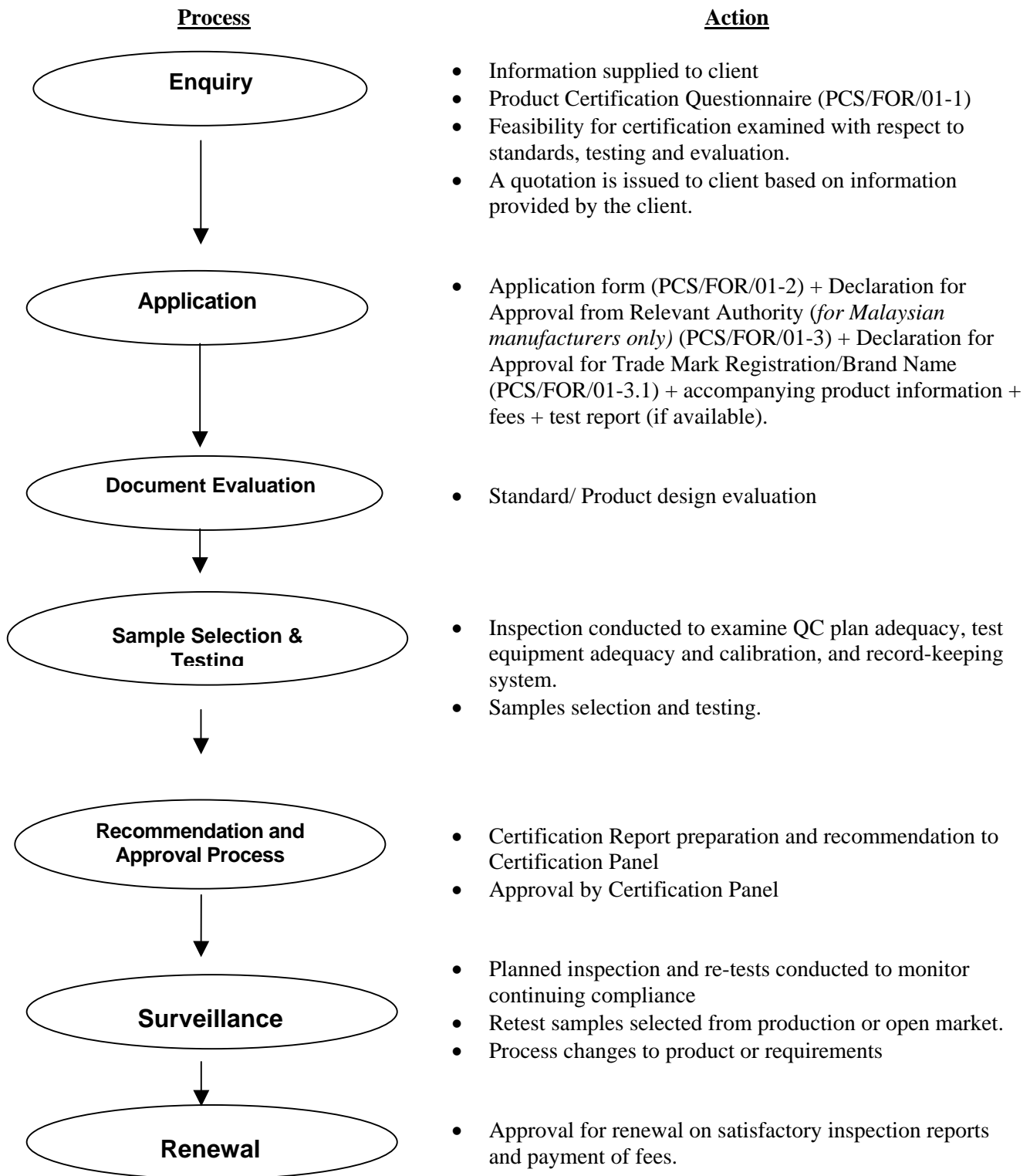


**FLOW-CHART FOR THE RENEWAL PROCESS OF CERTIFICATE OF APPROVAL (COA)**

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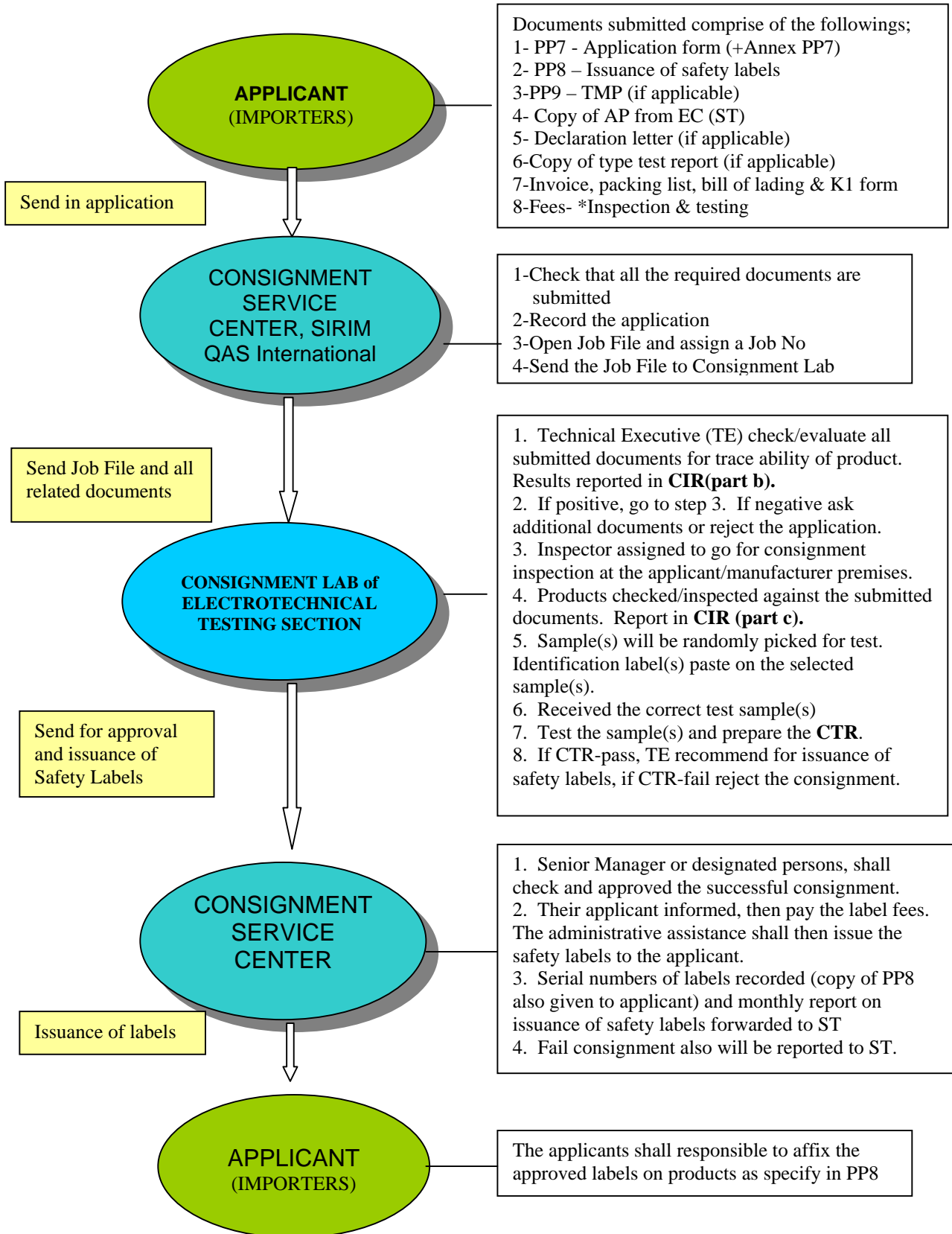


**PRODUCT CERTIFICATION SYSTEM FLOW CHART**





**ELECTROTECHNICAL TESTING SECTION**  
**APPLICATION FOR CONSIGNMENT TEST AND SAFETY LABELS OF IMPORTED ELECTRICAL PRODUCTS**



# APPROVAL OF ELECTRICAL EQUIPMENT

**Appendix E**  
**FORM ST (PE) 3**



Energy Commission, Level 13, TH Perdana, 1001 Jalan Sultan Ismail, 50250 K. Lumpur, MALAYSIA. Tel: 603-26125400 Fax: 603-26915584

APPLICATION FOR A CERTIFICATE OF APPROVAL TO MANUFACTURE, IMPORT, DISPLAY, SELL OR ADVERTISE (To be submitted by company registered in Malaysia)

Please tick (✓)  in the relevant box.

<b>FOR OFFICE USE</b>	Job No. : _____ Processing Officer: _____ File: _____	<b>ST OFFICIAL STAMP</b>
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<b>A</b>	TYPE OF APPLICATION	Manufacture <input type="checkbox"/> Import <input type="checkbox"/> Sell <input type="checkbox"/> Advertise <input type="checkbox"/> <b>PLEASE COMPLETE SECTION A, B, C, D&amp;E</b>	Special Project <input type="checkbox"/> Exhibition <input type="checkbox"/> Specific Purpose <input type="checkbox"/> <b>PLEASE COMPLETE SECTION A, B, C, D &amp; F</b>
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<b>B</b>	DESCRIPTION & SPECIFICATION OF ELECTRICAL EQUIPMENT	Name of Electrical Equipment _____ Brand _____ Phase ( 1 & 3) _____ Type / Model 1) _____ Power _____ (Watt) Current _____ (Amp) 2) _____ 3) _____ 4) _____ Voltage _____ (Volt)      Frequency _____ (Hz)
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<b>C</b>	DETAILS OF IMPORTER OR MANUFACTURER	Name & Address of Company: _____ _____ _____ Registration No.: _____ Country of Manufacturer: _____ Name & Address of Manufacturer: _____ _____
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## APPROVAL OF ELECTRICAL EQUIPMENT

<b>D</b>	<b>PARTICULAR OF APPLICANT</b>	Name of Applicant: _____ Tel: _____  Identity Card No. _____ Designation In The Company: _____
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<b>E</b>	<b>PLEASE SUBMIT TECHNICAL DOCUMENT</b>	<b>FOR OFFICE USE</b>
<b>TO BE COMPLETE BY APPLICANT</b>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>	1. Technical Specification and Catalogue  2. Schematic Diagram  3. List of Components  4. Instruction manual  5. Type Test Report (if any) either i. SIRIM No. _____ Date ____/____/____ or ii. _____ Date ____/____/____ (*If the test report from overseas, please states the laboratory and test report number) (Type Test Report shall not exceed 5 years from the testing date)  6. Sample of equipment for evaluation purpose <i>(Please submit if requested)</i>	<input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>

**I declare and understand that :**

- 1) The equipment should be accompanied with the type test reports.
- 2) I shall label electrical appliance as prescribed in the Certificate of Approval
- 3) As a manufacturer, I will enter the SIRIM Product Certification Scheme
- 4) As an importer, I will sent the equipment for consignment test with SIRIM
- 5) All information given is true.

Applicant Signature & Company Stamp \_\_\_\_\_ Date \_\_\_\_\_

<b>F</b>	<b>SPECIAL PROJECT / EXHIBITION / SPECIAL PURPOSE</b>
<input type="checkbox"/> Special Project	Address of the Project: _____ User Name / Owner: _____ (Please complete section E)
<input type="checkbox"/> Exhibition	Name & Address of Exhibition : _____ Duration of Exhibition: ____/____/____ to ____/____/____ Date of re-export to origin country
<input type="checkbox"/> Concert	Name & Address of Concert: _____ Duration of Concert : ____/____/____ to ____/____/____ Date of re-export to origin country
<input type="checkbox"/> Evaluation of Factory / Market	Reasons if importing more than 2 pieces (if relevant) : _____ _____
<input type="checkbox"/> Repair and Re-export	Duration needed for repairing : ____/____/____ to ____/____/____ Date of re-export to origin country ____/____/____ to ____/____/____ (Please attach documents for the reason needs to repair)

## APPROVAL OF ELECTRICAL EQUIPMENT

<div style="border: 1px solid black; width: 40px; height: 15px; margin: 0 auto;"></div> <p>Components of the Equipment</p>	<p>Name of Equipment : _____</p> <p>Certificate of Approval No. issued by Energy Commission (ST) (if available) : _____</p> <p>Factory status:</p> <table style="width: 100%; border: none;"><tr><td style="border: 1px solid black; text-align: center; width: 45%; padding: 2px;">100% for export</td><td style="border: 1px solid black; text-align: center; width: 45%; padding: 2px;">Local Market</td></tr></table>	100% for export	Local Market
100% for export	Local Market		
<p>Transportation document: Bill of Lading No. or Invoice : _____ Date : _____</p>			
<p><u>I/We agree that :</u></p> <ul style="list-style-type: none"><li>i. To take reasonable action in safety aspect to avoid danger arises from electricity.</li><li>ii. To take for any risk arise from the usage of electrical equipment.</li><li>iii. Sample of equipment will be submitted to Energy Commission if needed.</li></ul>			
<p>Applicant Signature &amp; Company Stamp : _____ Date : _____</p>			

**GUIDELINES FOR COMPLETING FORM ST (PE) 3**

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**A. Type of Application**

Please tick the relevant box. This application must be submitted by the company registered in Malaysia with the Companies Commission of Malaysia (CCM).

**B. Description and Specification of Electrical Equipment**

Name of electrical equipment, brand and phase (single phase 1F/240V or three phase 3F/415V), type/model, power (watt) and current (A), voltage (240/415V) and frequency (50/60 Hz).

**C. Details of Importer, Manufacturer, Exhibitor, Seller or Advertiser**

- Name of the company registered in Malaysia with the CCM. Business registration number of the company issued by CCM.
- Country of Importer, Manufacturer, Exhibitor, Seller and Advertiser.
- Name and address of Importer, Manufacturer, Exhibitor, Seller and Advertiser.

**D. Particular of Applicant**

- Name and title (designation) of person appointed by the company to be In-charge of submission of application as well as to liaise with the Commission
- Identity card no. of the applicant.
- Telephone no. of the applicant.

**E. Please Submit Technical Document**

- Please tick the appropriate box for document to be submitted.
- If Test report and certificate from overseas, please states the testing/certification body, test report/certification no.
- Test Report shall not exceed 5 years from the date of testing and the validity of test report must not less than one year from the date of expiry.

**F. Special Project/Exhibition/Special Purpose**

- Please tick the appropriate box
- Address of Project/Exhibition/Concert etc.
  
- **Applicant Signature & Company's Stamp**  
The signature of the staff authorised by the company to be responsible for the regulated goods and the registered seal or rubber-stamp of the company.
  
- **Date**  
The date of FORM ST (PE) 3 is signed.



**SIRIM QAS International SDN. BHD.** (Company No. 410334-X)  
(Formerly known as SIRIM QAS Sdn. Bhd.)  
No. 1, Persiaran Dato' Menteri  
P.O. Box 7035, 40911 Shah Alam  
Selangor Darul Ehsan, Malaysia

Tel: 603-5544 6400

Fax: 603-5544 6484

**PRODUCT CERTIFICATION QUESTIONNAIRE**

**A. APPLICANT INFORMATION**

1. Name and address of applicant:

Company/Business Registration No.:

Contact Person:

Tel.:

Fax.:

2. Name and address of factory/manufacturer (if different from A1 and A2):

Company / Business Registration No.:

Contact Person:

Tel.:

Fax.:

3. Particulars of Certifications currently held by the manufacturer, if any (including Quality System Certification):

**B. PRODUCT INFORMATION**

*(Please provide information as listed below. Attach supplementary sheets if space provided is insufficient).*

1. Product Name:

2. Type(s), Model(s):

3. Trade Mark(s)/Brand name(s):  
*(The applicant shall assume full responsibility for the rights to these trade marks)*

4. Standard(s) applicable to product:

5. Product Description  
*(Please attach relevant documents such as, technical drawing, photograph, component list, label or marking details, operation or service manual, circuit diagram, and provide information as per Annex 1).*

6. Define the batch or lot of product and describe batch coding system used:

7. State type of packaging & sizes:

## APPROVAL OF ELECTRICAL EQUIPMENT

8. Product(s) test report(s) details (if available)  
(Please attach copy of the test report)

Report No(s):

Issue Date(s):

Test Laboratory Name & Address:

### C. FACTORY INFORMATION

1. Number of employees:
2. Estimated monthly output of product to be certified (quantity):
3. No. of shifts per day:
4. Quality Control / Quality System Details  
(Please briefly describe system in Annex 2(a & b) and 3).
5. Please attach:
  - i) a route map to your factory site;
  - ii) company organization chart;
  - iii) product labeling and product description brochures (if available) and
  - iv) list other attachments below:
    - a)
    - b)

### D. DECLARATION

This is to certify that the information/statement given in this questionnaire are correct to my knowledge.

Signature:

Date:

Name of authorised representative:

Designation:



**SIRIM QAS International SDN. BHD.** (Company No. 410334-X)  
(Formerly known as SIRIM QAS Sdn. Bhd.)  
No. 1, Persiaran Dato' Menteri  
P.O. Box 7035, 40911 Shah Alam  
Selangor Darul Ehsan, Malaysia

Tel: 603-5544 6400

Fax: 603-5544 6484

## APPLICATION FOR PRODUCT CERTIFICATION

### A. APPLICANT INFORMATION

1. Name and address of company:

Company/ Business Reg. No.:

Contact Person:

Tel.:

Fax. :

2. Name and address of factory/manufacturer(if different from A1):

Tel. :

Fax. :

### B. PRODUCT INFORMATION

1. Product name:

2. Type(s), Model(s):

3. Trade Mark(s)/Brand Name(s):

4. Standard(s) applicable to product:

5. For application of additional model/brand, please indicate:

(a) File no.:

(b) Test report number (if applicable):

## APPROVAL OF ELECTRICAL EQUIPMENT

### C. DECLARATION AND UNDERTAKING

In connection with this application, I/we:

- (a) undertake to ensure the product manufactured and the manufacturing process comply with the relevant standard and the product certification requirements respectively.
- (b) undertake to supply all information required by SIRIM QAS International Sdn. Bhd. for the purpose of evaluation of the product(s) to be certified;
- (c) undertake to make samples of product(s) and materials available to SIRIM QAS International Sdn. Bhd. for evaluation and testing purposes;
- (d) undertake to pay SIRIM QAS International Sdn. Bhd. all costs of processing this application;
- (e) agree that SIRIM QAS International Sdn. Bhd. may release information obtained in the course of processing the application to the public or government authorities so far as is prudent to warn in the opinion of SIRIM QAS International Sdn. Bhd.;
- (f) undertake to sign the SIRIM QAS International Sdn. Bhd. Product Certification Agreement before grant of the certification licence.

*For new application into the scheme only.*

I/We enclose herewith a cheque payable to "SIRIM QAS International Sdn. Bhd." for a sum of RM \_\_\_\_\_ as detailed in the quotation number QP \_\_\_\_\_ .

Signature of authorized representative:

Date:

Name:

Designation:

Please return form duly completed to:

Product Certification Section  
SIRIM QAS International Sdn. Bhd.  
Building 4, SIRIM Complex  
1, Persiaran Dato' Menteri  
P.O. Box 7035  
40911 Shah Alam  
Selangor Darul Ehsan

For SIRIM QAS International Sdn. Bhd. use

Received by:



Batch Certification

DECLARATION OF APPROVAL FROM RELEVANT AUTHORITY

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**Declaration of Approval from Relevant Authority (To be filled by Manufacturer)**

Company :

Product :

In connection with my/our activities of manufacturing the product which will be granted the Certification Mark/Safety Mark/Product Listing Mark, I/we declare that:

Has obtained approval from the relevant local authority and/or other enforcement body to manufacture the above product;

or

Is seeking approval from them.

I/we undertake responsibility to revoke this application should there be a rejection by the respective authority or registrar. I/we also undertake not to involve SIRIM QAS International Sdn. Bhd., in any legal proceeding pertaining to the above mention approval.

Signature:

Date:

Name of signatory:

Designation:

Company address:

**DECLARATION OF APPROVAL FOR TRADE MARK  
REGISTRATION/BRAND NAME**

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**Declaration of Approval for Trademark/Brand Name (To be completed by Trade Mark Owner)**

Company :

Product :

In connection with my/our activities of manufacturing the product which will be granted the Certification Mark/Safety Mark/Product Listing Mark, I/we declare that:

Legally owns the trademark/brand name below;  
or

Is seeking approval for the trademark/brand name below.

No brand name

Note: Please tick  where applicable

Trademark/brand name
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I/we undertake responsibility to revoke this application should there be a rejection by the respective authority or registrar. I/we also undertake not to involve SIRIM QAS International Sdn. Bhd., in any legal proceeding pertaining to the above mention approval.

Signature:

Date:

Name of signatory:

Designation:

Company address:

APPROVAL OF ELECTRICAL EQUIPMENT

Annex 1

List of components and materials

Item	Model/Brand	Technical Data	Manufacturer	Approval


# APPROVAL OF ELECTRICAL EQUIPMENT


**Annex 2 (a)**


## Process Flow Chart

(Please describe main production process flow using symbols indicated)

 Storage

 Flow

 Process

 Quality Control Check (List major quality control check point details in Annex 2(b)  
All final product test and inspection should be identified and included in the list.

APPROVAL OF ELECTRICAL EQUIPMENT

Annex 2(b)

Quality Control Checking Schedule

QC Check No.	Items Inspected/ Tested	Test/Inspection Details	Frequency	Form no.

**Product Test Equipment List and Calibration Schedule**

Equipment (Name, Model, Serial No.)	Parameters Calibrated	Frequency of calibration

**APPROVAL OF ELECTRICAL EQUIPMENT**



SIRIM QAS International Sdn. Bhd. (Company No.410334 – X)  
 (Electrotechnical Testing Section)  
 Telephone No. : 03-55446176 /6187(counter)  
 : 03-55446157/6192 (Officer)  
 Facsimile No. : 03-55446775

**APPLICATION FOR TESTING AND  
 CONSIGNMENT INSPECTION**

**PP7**

SQAS/ET/3/3

JOB. NO.

Part (a)(b) & (PP8) to be filled by the Applicant

**a. Place and address of Inspection**

.....  
 .....  
 .....  
 .....

Telephone & Fax No. :-.....

Name of Applicant :-.....

**b. Document Required.**

- i) Permit/Approval Letter from Suruhanjaya Tenaga to the Applicant
- ii) Bill off Lading
- iii) Invoice and packing List.
- iv) Overseas Test Report.


**c. Declaration by the Applicant**

The Applicant or the authorised representative of the Applicant shall collect the sample within two (2) weeks from the issue date of the labels by SIRIM QAS International Sdn. Bhd., failing which SIRIM QAS International Sdn. Bhd. reserves the right to dispose the sample immediately. No notice need be given to the Applicant for the disposal of the sample. SIRIM QAS International Sdn. Bhd. shall not be liable in whatsoever manner for any loss suffered by the Applicant as a result of the disposal of the sample after the said two (2) weeks.

Bank's Cheque:-.....Cheque No:-.....

**For office use**

- a. Inspection Fee :- .....
- b. Testing Fee :- .....
- c. Label Fee :- .....
- d. Invoice No & Date :- .....

.....  
 ( )  
 Co-ordinator  
 Electrotechnical Testing Section

**APPROVAL OF ELECTRICAL EQUIPMENT**



SIRIM QAS International Sdn. Bhd(Company No. 410334 – X)  
 (Electrotechnical Testing Section )  
 Telephone No : 03-55446176/6187 (counter)  
 : 03-55446157/6192 (officer)  
 Facsimile No. : 03-55446775

**APPLICATION FOR SIRIM LABEL**

**PP8**

**ONE FORM FOR EACH MODEL AND EACH PRODUCT**

**A. To be filled by the Applicant**

JOB. NO.:	NO. OF LABEL & DATE:
Applicant's Name & Address:	Product:
	Model:
No. of Labels Applied:	Brand:

**TERMS AND CONDITION**

We agree to abide the following terms and conditions and confirm the following:-

1. The labels applied shall be for products imported by the Applicant only.
2. The labels shall not be sold, given, lent or in anyway transferred to any third party.
3. The labels shall be affixed on the products under the corresponding approved consignment's inspection and testing.
4. The labels serial numbers shall be recorded in accordance to the approved Job Number and model.
5. To pay the fees charged by SIRIM QAS International Sdn. Bhd. for the labels applied prior to their issuance.
6. The Applicant shall return the damaged labels to SIRIM QAS International Sdn. Bhd. within fourteen (14) days from the date of receipts of the labels.
7. In the event where the labels issued are more than the Applicant's forecast production, to return the excess labels to SIRIM QAS Internationals within fourteen (14) days from receipts of the labels.
8. To ensure that the Labels are securely kept at the Applicant's premises.
9. To inform SIRIM QAS International Sdn. Bhd. should the labels are lost or stolen. The Applicant shall bear all associated costs..

Authorised representative:- \_\_\_\_\_  
 Designation :- \_\_\_\_\_

Signature:- \_\_\_\_\_  
 Date: \_\_\_\_\_

**B. For office use**

Application is approved as it has passed the Consignment Inspection

Application is not approved as it failed the Consignment Inspection

No. of Labels issued:	Serial No. of Labels issued:
Tape of label: <b>SAFETY</b>	
No. Inbois:	Label Fee:

Name of Officer :-..... Signature :-..... Date :-.....

# APPROVAL OF ELECTRICAL EQUIPMENT

Appendix J

## SIRIM QAS INTERNATIONAL SDN. BHD. APPLICATION FOR THE ISSUANCE OF LABELS *(One form for each licence/file no.)*

To: \_\_\_\_\_  
Product Certification Section (Fax no. : 03 – 55446484)

**A. TO BE FILLED UP BY APPLICANT**

<b>File / Licence no. :</b>	<b>Date :</b>
<b>Manufacturer :</b>	<b>Product :</b>
<b>Address :</b>	<b>Standard :</b> <b>Brand :</b>
<b>Trading company's name :</b> (if applicable)	<b>Trading company's licence no. :</b> (if applicable)
<b>Consignment :</b> <b>Date :</b> <b>Consignment size :</b> <b>Test report no.:</b>	<b>Model/Type :</b>
<b>Non- consignment*</b>  <b>Average monthly production :</b> <b>Qty. of labels applied (max. of three-months production):</b>	<b>Please indicate mode of collection(if applicable) :</b> Collect at SIRIM QAS International Collect at the nearest SIRIM Branch Office <b>Note: Processing and issuance subject to seven (7) working days.</b>

\*Note : Applicants to submit the usage report (PCS/FOR/12-2) together with this form.

**PROVISIONS**

I hereby agree to abide by the following provisions:

1. Labels applied shall be for products manufactured by my company only and have obtained approval from the regulatory body.
2. These labels shall not be sold, given or lent to other parties.
3. These labels shall be applied on each product under the Product Certification Scheme or the approved consignment.
4. The label serial numbers shall be recorded according to the inspection batch coding number which have been approved.
5. Shall pay the fees for the labels applied.
6. Shall return any defective labels to SIRIM QAS International within fourteen (14) days of receipt of labels.
7. Shall ensure that labels issued are securely kept and undertake to inform SIRIM QAS International should these labels are lost / stolen and bear all the associated costs.
8. Shall be held fully responsible should any of these labels are found to be affixed on products other than specified in this application unless approved by SIRIM QAS International.

**Applicant's name:** .....  
**Tel.no. :** .....

**Signature:** .....

**B. FOR SIRIM QAS INTERNATIONAL USE ONLY**

Recommendation :

approved.

not approved because failure in consignment testing / product does not meet the standard requirement.

<b>Qty. of labels issued (in no. &amp; words):</b>	<b>Serial no. of labels issued :</b>
<b>Type of labels :</b>	<b>Date of release by MBDS:</b>
<b>Signature</b> : .....	<b>Fees :</b>
<b>Certification Officer</b> :	<b>Payment : Unpaid / Paid - Cheque no.:</b>
<b>Date</b> :	<b>Invoice no. :</b>

FORM V

(regulation 97)

ELECTRICITY SUPPLY ACT 1990

CERTIFICATE OF APPROVAL

In accordance with regulation 97 of the Electricity Regulations 1994, this Certificate is issued to

.....  
(name of importer)

at.....  
(address)

and approval is given to

*	Import	display <sup>1</sup>	sell	advertise
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the equipment, the description of which are set out below direct from .....  
.....  
(name and country of manufacturer)

and the equipment is in compliance with:

(a) Standard:.....

(b) Type Test Report No: .....

for a period of one year from the date of issue/renewal\* shown hereunder subject to the following conditions:

(state)

Date of issue/renewal\*: ..... Expiry Date: .....

Approval No:..... Fee RM: .....

Description of Equipment

Equipment :.....

Trade Name:.....

Type/Model:.....

# APPROVAL OF ELECTRICAL EQUIPMENT

## Specification Of Equipment

Voltage.....Volts      Power ..... watts  
Frequency.....Hz      Current .....Amp

.....  
Energy Commission

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<sup>1</sup>. Equipment approved is intended to be displayed only and not to be sold, installed or used.

\* Delete whichever is not applicable

### Note:

Electrical equipment intended for display, sale or advertisement may be issued with the COA using either Form V or W.

APPROVAL OF ELECTRICAL EQUIPMENT

FORM W

(regulation 97)

ELECTRICITY SUPPLY ACT 1990

CERTIFICATE OF APPROVAL

In accordance with regulation 97 of the Electricity Regulations 1994, this Certificate is issued to

.....  
(name of holder's company)

at.....  
(address)

and approval is given to-

manufacture	display <sup>1</sup>	sell	advertise	*
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the equipment, the description of which is set out below direct from .....  
.....  
(name of manufacturer)

.....  
(address of manufacturer)

and the equipment is in compliance with :

- (a) Standard:.....
- (b) Type Test Report No: .....

for a period of one year from the date of issue/renewal\* shown hereunder subject to the following conditions:  
(state)

Date of issue/renewal\*: ..... Expiry Date:.....

Approval No:..... Fee RM:.....

Description of Equipment

Equipment :.....

Trade Name:.....

Type/Model:.....

Specification Of Equipment

## APPROVAL OF ELECTRICAL EQUIPMENT

Voltage.....Volts      Power ..... watts  
Frequency .....Hz      Current .....Amp

.....  
Energy Commission

- 
- 1. Equipment approved is intended to be displayed only and not to be sold, installed or used.
  - \* Delete whichever is not applicable.

**Note:**

Electrical equipment intended for display, sale or advertisement may be issued with the COA using either Form V or W.

**Specimen of SIRIM Label**



SIRIM label shall be affixed on the main part of the certified electrical equipment only, usually on parts that cannot be easily detached.

**Specimen of SIRIM Certification Mark**



**SIRIM**  
**CERTIFIED TO YY : XXXX**  
**CERTIFICATION NO:xxxxxxxx**

SIRIM certification mark shall be used on electrical equipment that are cannot be affixed with SIRIM labels because of the size and nature of the equipment or if the equipment is part of the Label licensing programme (qualified Product Certification licensees only).

ACCEPTABLE AND NON-ACCEPTABLE 2-PIN MAINS PLUG

**SOURCE:** CEE 7:1963 Standard Sheet XVII  
IEC 83:1975 Standard C6

**NOTES:** Intended to be fitted to Class II (double insulated) appliances  
10/16 A, 250 V  
Two-pole – no earth contact

**OTHER RATINGS:** None

**OUTLINE:**

**TYPICAL PLUG:**

**UNACCEPTABLE**

**SOURCE:** CEE 7: 1963 Standard Sheet XVI  
IEC 83: 1975 Standard C5

**NOTES:** This plug is available in two profiles (see page 12)  
Version I: round plug  
Version II: flat plug, with insulating collar  
Intended to be fitted to Class II (double insulated) appliances  
2.5 A, 250 V  
Two-pole – no earth contact

**OTHER RATINGS:** None

**OUTLINE:**  
Version II

**TYPICAL PLUG:**

**ACCEPTABLE**