

## **REGULATORY ENVIRONMENT ON ELECTRICAL AND ELECTRONIC PRODUCTS IN MALAYSIA**

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### I. RATIONALE FOR REGULATION

COUNTRY	RATIONALE FOR REGULATION
Malaysia	Ensure safety and consumer protection.

### II. REGULATION BODY

COUNTRY	REGULATORY BODY
Malaysia	Energy Commission (Suruhanjaya Tenaga)

### III. LEGISLATIVE FRAMEWORK

COUNTRY	LEGISLATIVE FRAMEWORK
Malaysia	<ul style="list-style-type: none"><li>• Electricity Supply Act 1990; and</li><li>• Electricity Regulations 1994 .</li></ul>

**IV. MANDATORY STANDARDS**

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
<b>Malaysia</b>	<b>1</b>	<b>PLUG TOP (PLUGS)</b>					
		- Two pole plugs & supply cords	MS 1578:2003	✓	BS EN 50075	-	
		- 13A Fused plugs	MS 589:PT.1:1997	✓	BS 1363: PT.1	-	
		- 15A Fused plugs	MS 1577:2003	✓	BS 546	-	
		- Adaptors (multiway)	MS 589: PT.3:1997	✓	BS 1363:PT.3	-	
		- Cable Connectors	No Corresponding MS		IEC 60998-1 IEC 60998-2-1 IEC 60998-2-2 IEC 60998-2-3 IEC 60998-2-4 IEC 60998-2-5	- - - - -	
		- Appliance Connectors	MS IEC 60320-1:1996	✓	IEC 60320-1	IDT	
	<b>2</b>	<b>SWITCHES AND DIMMERS</b>					
		- General purpose switches	MS 616:PT.1:1998	✓	IEC 60669-1	MOD	Testing ambient temperature = 25°C ± 5°C (IEC amb temp = 20°C ± 5°C)

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Electronic switches	MS 616:PT.2:Sect.1:2000	✓	IEC 60669-2-1	MOD	Testing ambient temperature = 25°C ± 5°C (IEC amb temp = 20°C ± 5°C)
<b>Malaysia</b>		- Remote-control switches	MS 616:PT.2:Sect.2:2000	✓	IEC 60669-2-2	MOD	Testing ambient temperature = 25°C ± 5°C (IEC amb temp = 20°C ± 5°C)
<b>Malaysia</b>		- Time Delay Switches	MS 616:PT.2:Sect.3:2000	✓	IEC 60669-2-3	MOD	Testing ambient temperature = 25°C ± 5°C (IEC amb temp = 20°C ± 5°C)
	<b>3</b>	<b>SOCKET OUTLES 15A AND BELOW (with or without elcb/rcd)</b>					
		- Electric Shaver Socket Outlets	MS EN 60742:1998	✓	EN 60742 IEC 61558-2-6	- NEQ	
		- Isolating Transformer	MS EN 60742:1998	✓	EN 60742 IEC 61558-2-6	- NEQ	
		- 13A Portable Switched Socket Outlets	MS 589:PT.2:1997	✓	BS 1363:PT.2	-	
		- 13A Unswitched Socket Outlets	MS 589:PT.2:1997	✓	BS 1363:PT.2	-	
		- 15A Socket Outlets	MS 1577:2003	✓	BS 546	-	
		AC-DC or AC-AC Converter (Adaptor)	MS EN 60742:1998	✓	EN 60742 IEC 61558-2-6 IEC 60950 (IT Equip.)	- NEQ NEQ	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Portable 2-Pin Socket Outlets	MS 1579:2003	✓	SS 448:2001	-	
		- Cooker Control Units	No Corresponding MS		BS 4177 : 1992	-	
	<b>4</b>	<b>LAMP HOLDERS</b>					
		- Lampholders for tubular fluorescent lamps	MS IEC 60400:1999	✓	IEC 60400	IDT	
		- Staterholders for tubular fluorescent lamps	MS IEC 60400:1999	✓	IEC 60400	IDT	
	<b>5</b>	<b>CEILING ROSES</b>	MS 770:1982	✓	-	-	
	<b>6</b>	<b>BAYONET CAPS AND MULTIWAYS ADAPTORS</b>					
		- Bayonet Lampholders	MS 769:1982	✓			
<b>Malaysia</b>		- Bayonet Adaptors	MS 769:1982	✓			
	<b>7</b>	<b>FLUORESCENT LAMPS FITTING EXCLUDING TUBES IF IMPORTED SEPARATELY</b>					
		- Fixed general purpose luminaires	MS IEC 60598-1:1997	✓	IEC 60598 – 1	IDT	
			MS IEC 60598-2-1:1997	✓	IEC 60598-2-1	IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Recessed luminaires	MS IEC 60598-1:1997	✓	IEC 60598 –1	IDT	
			MS IEC 60598-2-2:1998	✓	IEC 60598-2-2	IDT	
		- Lampholders / Starterholders	MS IEC 60400:1999	✓	IEC 60400	IDT	
		- Glow-starters for tubular fluorescent	MS IEC 60155: 1996	✓	IEC 60155	IDT	
	<b>8</b>	<b>CAPACITORS FOR FLUORESCENT LAMPS</b>					
		- Capacitors for use in tubular fluorescent lamp circuit	MS IEC 61048:1999	✓	IEC 61048	IDT	
			MS IEC 61049:1999	✓	IEC 61049	IDT	
	<b>9</b>	<b>BALLAST FOR FLUORESCENT</b>					
<b>Malaysia</b>		- Ballast for tubular fluorescent lamps	MS 141 :PT.1:1992 & MS 141 :PT.2:1992	✓ ✓	IEC 60920 IEC 60921	MOD MOD	Additional ballast lost requirement
		- Electronic Ballast	MS IEC 60928:1995 MS IEC 60929:1995	✓ ✓	IEC 60928 IEC 60929	IDT IDT	
	<b>10</b>	<b>CIRCUIT BREAKER INCLUDING AC CURRENT OPERATED LEAKAGE CIRCUIT BREAKERS AND MINIATURE CIRCUIT BREAKERS</b>					

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Residual Current Circuit Breakers	MS IEC 61008-1:2003	✓	IEC 1008-1, Ed.2	IDT	
		- Miniature Circuit Breaker (MCB)	MS IEC 60898:1998	✓	IEC 60898	IDT	
		- RCBO's	No Corresponding MS		IEC 61009-1 IEC 61009-2-1 IEC 61009-2-2	-	
		- Fuse Base & Carrier up to 32A	No Corresponding MS		IEC 60269-1, Ed.3 IEC 60269-2, IEC 60269-2-1	-	
		- Fuses/Fuse Links up to 63A	No Corresponding MS		IEC 60269-3, IEC 60269-3-1	-	
	<b>11</b>	<b>WATER HEATER INCLUDING HEATING ELEMENTS IF IMPORTED SEPARATELY</b>					
		- Electric Stationary Instantaneous Water Heaters	MS 472 :PT.3:SEC.3.1:1986	✓	BS 3456:PT.3, SEC. 3.9 IEC 60335-1 IEC 60335-2-	- NEQ NEQ	
		- Electric Storage Water Heaters	MS IEC 60335-1:1995 MS IEC 60335-2-21:2000	✓ ✓	IEC 60335-1 IEC 60335-2-21	IDT IDT	
	<b>12</b>	<b>HAND OPERATED HAIR DRYERS</b>					

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
Malaysia		- Electric Hair Dryers	MS IEC 335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-23:1999	✓	IEC 60335-2-23	IDT	
		- Electric Hair Styling Sets	MS IEC 335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-23:1999	✓	IEC 60335-2-23	IDT	
	<b>13</b>	<b>DOMESTIC LIGHT FITTINGS HAVING ACCESSIBLE METAL PARTS</b>					
		- Electric Standing Lamps	MS IEC 60598-1:1997	✓	IEC 60598-1	IDT	
			MS IEC 60598-2-4:1997	✓	IEC 60598-2-4	IDT	
		- Electric Table Lamps	MS IEC 60598-1:1997	✓	IEC 60598-1	IDT	
			MS IEC 60598-2-4:1997	✓	IEC 60598-2-4	IDT	
		- Electric Hand Lamps	IEC 60598-1, Ed.4:1996	✓	IEC 60598-1, Ed.4	IDT	
			IEC 60598-2-8, Ed.2:1996	✓	IEC 60598-2-8, Ed.2	IDT	
	<b>14</b>	<b>ELECTRIC KETTLE INCLUDING HEATING ELEMENTS IF IMPORTED SEPARATELY</b>					
Malaysia		- Electric Coffee / Tea Makers	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	



Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Electric Deep Fryers	MS IEC 335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 335-2-13:1995	✓	IEC 60335-2-13	IDT	
		- Electric Egg Boilers	MS IEC 335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	
		- Electric Jugs	MS IEC 335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	
		- Electrical Multi-purpose cookers	MS IEC 335-1:1995	✓	IEC 602335-1	IDT	
			MS IEC 335-2-9:1995	✓	IEC 60335-2-9	IDT	
			MS IEC 335-2-13:1995	✓	IEC 60335-2-13	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	
<b>Malaysia</b>		- Electric Food Steamers	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Electric Warming Plates	No Corresponding MS		IEC 60335-1 IEC 60335-2-12, Ed. 4	- -	
		- Electric Slow Cookers	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	
		- Electric Steam Boats	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	
		- Electric Built in Hobs	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 335-2-36:1995	✓	IEC 60335-2-36	IDT	
<b>Malaysia</b>		- Electric Kettles	MS IEC 335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	
		- Electric Airpots	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	
		- Electric Steam Generator Appliances	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-15:1999	✓	IEC 60335-2-15	IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Electric Aroma Vaporisers	No corresponding MS		IEC 60335-1 IEC 60335-2-101	- -	
		- Electric Heating Elements for Kettles	MS IEC 60335-1:1995 MS IEC 60335-2-15:1999	✓ ✓	IEC 60335-1 IEC 60335-2-15	IDT IDT	
	<b>15</b>	<b>ELECTRIC SMOOTHING IRONS</b>					
		- Electric Irons	MS IEC 60335-1:1995 MS IEC 60335-2-3:1995	✓ ✓	IEC 60335-1 IEC 60335-2-3	IDT IDT	
	<b>16</b>	<b>ELECTRIC SHAVERS</b>					
<b>Malaysia</b>		- Electric Hair Clippers	MS IEC 60335-1:1995 MS IEC 60335-2-8:2002	✓ ✓	IEC 60335-1, Ed.3 IEC 60335-2-8, Ed 4:	IDT IDT	
		- Electric Shavers	MS IEC 60335-1:1995 MS IEC 60335-2-8:2002	✓ ✓	IEC 60335-1, Ed.3 IEC 335-2-8, Ed 4	IDT IDT	
	<b>17</b>	<b>FOOD MIXERS/BLENDERS</b>					
		- Electric Blenders	MS IEC 60335-1:1995 MS IEC 60335-2-14:1996	✓ ✓	IEC 60335-1 IEC 60335-2-14	IDT IDT	
		- Electric Choppers	MS IEC 60335-1:1995 MS IEC 60335-2-14:1996	✓ ✓	IEC 60335-1 IEC 60335-2-14	IDT IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandator	Relevant International Standards	Extent of Alignment	State reason if MOD
Malaysia		- Electric Food Processors	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-14:1996	✓	IEC 60335-2-14	IDT	
		- Electric Juice Extractors	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-14:1996	✓	IEC 60335-2-14	IDT	
		- Electric Grinders	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-14:1996	✓	IEC 60335-2-14	IDT	
		- Electric Mixers	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-14:1996	✓	IEC 60335-2-14	IDT	
	<b>18</b>	<b>IMMERSION WATER HEATERS</b>					
		- Electric Fixed Immersion Heaters	MS IEC 60335-1:1995	✓	IEC 60335-1, Ed.3	IDT	
			MS IEC 60335-2-73:1996	✓	IEC 60335-2-73, Ed.1	IDT	
Malaysia		- Portable Immersion Heater	MS IEC 60335-1:1995	✓	IEC 60335-1, Ed.3	IDT	
			MS IEC 60335-2-74:1996	✓	IEC 60335-2-74, Ed.1	IDT	
	<b>19</b>	<b>HI-FI SETS</b>					
		- Sub-woofer	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Amplifier	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Cassette Player	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Equalizers/ Mixers	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Hi-Fi System	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Karaoke	MS IEC 60065:1997	✓	IEC 60065	IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Laser Disc Player	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- PA System	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Portable Hi-Fi System	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Portable RadioCassette Player / Recorder	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Radio	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Radio Alarm	MS IEC 60065:1997	✓	IEC 60065	IDT	
<b>Malaysia</b>		- Tuner / Receiver	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Turn tables / Record Players	MS IEC 60065:1997	✓	IEC 60065	IDT	
		- Compact Disc Players	MS IEC 60065:1997	✓	IEC 60065	IDT	
	<b>20</b>	<b>MOSQUITO MATT VAPORISERS</b>	MS IEC 60335-1:1995	✓	IEC 60335-1 IEC 60335-2-101	IDT	
	<b>21</b>	<b>TOASTERS/OVENS</b>					
		- Electric Bread Makers	MS IEC 60335-1:1995	✓	MS IEC 60335-1	IDT	
			MS IEC 60335-2-9:1995	✓	IEC 60335-2-9	IDT	
		- Electric Bread Toasters	MS IEC 60335-1:1995	✓	MS IEC 60335-1	IDT	
			MS IEC 60335-2-9:1995	✓	IEC 60335-2-9	IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandator	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Electric Portable Ovens	MS IEC 60335-1:1995	✓	MS IEC 60335-1	IDT	
			MS IEC 60335-2-9:1995	✓	IEC 60335-2-9	IDT	
		- Electric Grillers	MS IEC 60335-1:1995	✓	MS IEC 60335-1	IDT	
			MS IEC 60335-2-9:1995	✓	IEC 60335-2-9	IDT	
<b>Malaysia</b>		- Electric Microwave Ovens	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-25:1995	✓	IEC 60335-2-25	IDT	
		- Electric Sandwich Makers / Waffle Makers	MS IEC 60335-1:1995	✓	MS IEC 60335-1	IDT	
			MS IEC 60335-2-9:1995	✓	IEC 60335-2-9	IDT	
		- Electric Stationary Electric Ovens	MS IEC 60335-1:1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-6:1999	✓	IEC 60335-2-6	IDT	
		- Electric Roasters	MS IEC 60335-1:1995	✓	MS IEC 60335-1	IDT	
			MS IEC 60335-2-9:1995	✓	IEC 60335-2-9	IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandator	Relevant International Standards	Extent of Alignment	State reason if MOD
	<b>22</b>	<b>FANS</b>					
		- Electric moving-louvre fans & regulators	MS IEC 60335-1 MS 1219 : 2002 MS 1220 : 2001	✓ ✓ ✓	IEC 60335-1 IEC 60335-2-80 IEC 60879	IDT MOD MOD	<u>MS 1219:</u> New requirement for detachable part, temperature marking, maintenance instruction, moisture resistance, supply connection, external flexible cord and mechanical strength  <u>MS 1220:</u> 1) CI 7.2: statement 'with at least five running positions' is replaced by 'with at least three running positions'  2) CI 10.3.2: Rating of frequency is defined to suit local conditions
		- Electric ceiling fans & regulators	MS IEC 60335-1 MS 1219 : 2002 MS 1220 : 2001	✓ ✓ ✓	IEC 60335-1 IEC 60335-2-80 IEC 60879	IDT MOD MOD	
<b>Malaysia</b>		- Electric ventilating fans & regulators	MS IEC 60335-1 MS 1219 : 2002	✓ ✓	MS IEC 60335-1 IEC 60335-2-80	IDT MOD	
		- Electric auto fans & regulators	MS IEC 60335-1 MS 1219 : 2002 MS 1220 : 2001	✓ ✓ ✓	IEC 60335-1 IEC 60335-2-80 IEC 60879	IDT MOD MOD	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandator	Relevant International Standards	Extent of Alignment	State reason if MOD
		- Electric pedestal fans & regulators	MS IEC 60335-1 MS 1219 : 2002 MS 1220 : 2001	✓ ✓ ✓	IEC 60335-1 IEC 60335-2-80 IEC 60879	IDT MOD MOD	<p><u>MS 1219:</u> New requirement for detachable part, temperature marking, maintenance instruction, moisture resistance, supply connection, external flexible cord and mechanical strength</p> <p><u>MS 1220:</u></p> <p>3) CI 7.2: statement 'with at least five running positions' is replaced by 'with at least three running positions'</p> <p>4) CI 10.3.2: Rating of frequency is defined to suit local conditions</p>
		- Electric table fans & regulators	MS IEC 60335-1 MS 1219 : 2002 MS 1220 : 2001	✓ ✓ ✓	IEC 60335-1 IEC 60335-2-80 IEC 60879	IDT MOD MOD	
		- Electric wall fans & regulators	MS IEC 60335-1 MS 1219 : 2002 MS 1220 : 2001	✓ ✓ ✓	IEC 60335-1 IEC 60335-2-80 IEC 60879	IDT MOD MOD	
		- Electric range hoods	No Corresponding MS		IEC 60335-1, Ed.3 IEC 60335-2-31, Ed.2	- -	
<b>Malaysia</b>		- Electric Air Coolers	No Corresponding MS		IEC 60335-1 IEC 60335-2-98		



Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandator	Relevant International Standards	Extent of Alignment	State reason if MOD
	<b>23</b>	<b>TELEVISION</b>					
		- Television	MS IEC 60065 : 1997	✓	IEC 60065	IDT	
		- Projection Television	MS IEC 60065 : 1997	✓	IEC 60065	IDT	
	<b>24</b>	<b>VACUUM CLEANERS</b>					
		- Carpet Cleaners	MS IEC 60335-1 : 1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-2 : 1995	✓	IEC 60335-2-2	IDT	
		- Vacuum Cleaners & Accessories	MS IEC 60335-1 : 1995	✓	IEC 60335-1	IDT	
			MS IEC 60335-2-2 : 1995	✓	IEC 60335-2-2	IDT	
	<b>25</b>	<b>VIDEO PLAYER</b>					
		- Video compact disc players	MS IEC 60065 : 1997	✓	IEC 60065	IDT	
		- Video Cassette Recorder / Players	MS IEC 60065 : 1997	✓	IEC 60065	IDT	
		- Digital versatile disc players	MS IEC 60065 : 1997	✓	IEC 60065	IDT	
		- Video Rewinder	MS IEC 60065 : 1997	✓	IEC 60065	IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
Malaysia		- Children Video Games	MS IEC 60065 : 1997	✓	IEC 60065	IDT	
	<b>26</b>	<b>WASHING MACHINES</b>					
		- Electric Cloth Dryers	No Corresponding MS		IEC 335-1 IEC 335-2-43, Ed. 2	- -	
		- Electric Washing Machines	MS IEC 60335-1 : 1995 MS IEC 60335-2-4 : 1995 MS IEC 60335-2-7 : 1995	✓ ✓ ✓	IEC 60335-1 IEC 60335-2-7 IEC 60335-2-4	IDT IDT IDT	
	<b>27</b>	<b>REFRIGERATORS</b>					
Malaysia		- Electric Refrigerators	MS IEC 60335-1 : 1995 MS IEC 60335-2-24 : 2002	✓ ✓	IEC 60335-1, IEC 335-2-24	IDT IDT	
		- Electric Freezers	MS IEC 60335-1 : 1995 MS IEC 60335-2-24 : 2002	✓ ✓	IEC 60335-1, IEC 335-2-24	IDT IDT	
Malaysia		- Electric Minibars	MS IEC 60335-1 : 1999 MS IEC 60335-2-24 : 1999	✓ ✓	IEC 60335-1, IEC 335-2-24	IDT IDT	
	<b>28</b>	ELECTRIC RICE COOKER	MS IEC 60335-1 : 1995 MS IEC 60335-2-15 : 1999	✓ ✓	IEC 60335-1 IEC 60335-2-15	IDT IDT	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
	<b>29</b>	<b>LIGHTING CHAINS</b>					
		- Lighting chains	MS IEC 60598-1 : 1997	✓	IEC 60598-1, Ed.	IDT	
			MS IEC 60598-2-20 : 1998	✓	IEC 60598-2-20, Ed.	IDT	
	<b>30</b>	<b>DOMESTIC POWER TOOLS</b>					
		- Electric Circular Saws and circular knives (Cutting Blade up to 160 mm)	No Corresponding MS		IEC 60745-1, IEC 60745-2-5,	- -	
<b>Malaysia</b>		- Electric Drills (Drill bit size up to 10 mm)	No Corresponding MS		IEC 60745-1 IEC 60745-2-1	- -	
		- Electric Sewing Machines	MS IEC 60335-1: 1995 MS IEC 60335-2-28 : 1996	✓ ✓	IEC 60335-1, Ed. 3 IEC 60335-2-28, Ed. 3	IDT IDT	
		- Electric Soldering Irons	MS IEC 60335-1: 1991 MS IEC 60335-2-45 : 1996	✓ ✓	IEC 60335-1 IEC 60335-2-45	IDT IDT	
		- Electric Grinders (up to 100 mm)	No Corresponding MS		IEC 60745-1, IEC 60745-2-3	- -	
		- Electric spray guns for non-flammable liquids (up to 100 bars)	No Corresponding MS		IEC 60745-1, IEC 60745-2-7,	- -	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandator	Relevant International Standards	Extent of Alignment	State reason if MOD
Malaysia		- Electric Jig and Sabre Saws (up to 60 mm)	No Corresponding MS		IEC 60745-1, IEC 60745-2-11,	- -	
		- Electric hedge trimmers and Grass shears (up to 750 W)	No Corresponding MS		IEC 60745-1, IEC 60745-2-15	- -	
		- Electric Planers (up to 500 W)	No Corresponding MS		IEC 60745-1 IEC 60745-2-14	- -	
		- Portable Battery Chargers (up to 12V)	MS IEC 60335-1:1995 MS IEC 60335-2-29:1996	✓ ✓	IEC 60335-1:1995 IEC 60335-2-29	IDT IDT	
		- Electric Routers and trimmers (up to 500 W)	No Corresponding MS		IEC 60745-1, IEC 60745-2-17,	- -	
		- Electric Sanders (up to 300 W)	No Corresponding MS		IEC 60745-1 IEC 60745-2-4,	- -	
Malaysia		- Trimmers (up to 300 W)	No Corresponding MS		IEC 60745-1 IEC 60745-2-15	- -	

Country	Total Product	Product type or grouping	STANDARDS				
			Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment	State reason if MOD
	<b>31</b>	<b>WIRES / CABLES / CORDS (non-armoured) 0.5 sq mm-35 sq. mm</b>					
		- Insulated flexible cords and cable	MS 140 : 1987	✓	BS 6500-	-	
		- PVC-insulated cable (non-armoured) for electric power and supply	MS 136 : 1995 MS 140: 1987	✓ ✓	BS 6004 BS 6004	- -	
		- Polyvinyl chloride Insulated flexible cords	MS 140:1987	✓	IEC 60227-1, IEC 60227-5,	NEQ NEQ	
		-Rubber insulated cord and flexible cables	MS 140:1987	✓	BS 6500 IEC 60245-1 IEC 60245-4,	- NEQ NEQ	

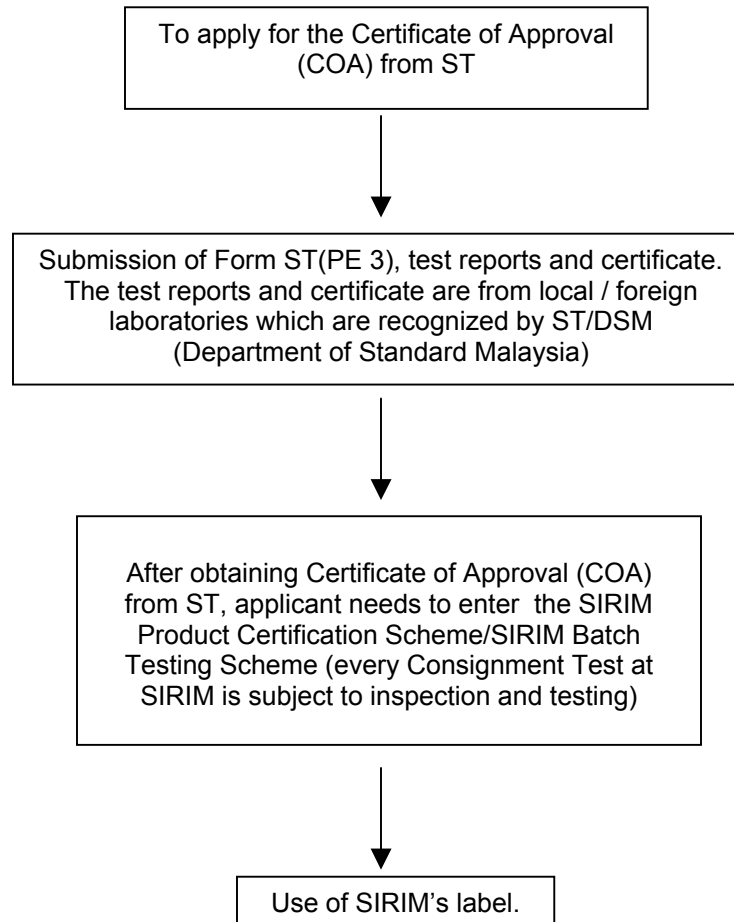
**V. MODE OF REGULATION AND TYPES OF CONFORMITY ASSESSMENT REGIMES**

COUNTRY	TYPES OF CONFORMITY ASSESSMENT REGIMES	MODE OF REGULATION
Malaysia	Registration/ Certification	<p>A certificate of approval is required. To obtain approval, the following are needed:</p> <ul style="list-style-type: none"> <li>• Test reports from local or foreign laboratories which are acceptable to ST.</li> <li>• Submission of Form ST (PE) 3, test report and certificate.</li> <li>• Enter the SIRIM Product Certification Scheme/SIRIM Batch Testing Scheme (every consignment is subjected to inspection and testing)</li> <li>• Use of SIRIM's label.</li> </ul>

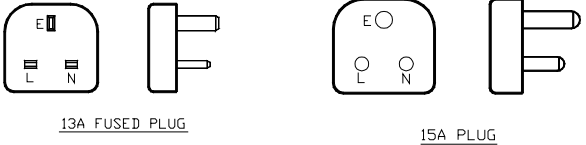
## VI. FLOWCHART OF MEMBER COUNTRIES' REGIME

*(please insert your flowchart here)*

### MALAYSIA



## VII. MAINS VOLTAGE, FREQUENCY AND MAINS PLUG CONFIGURATION

Country	Mains Voltage and Tolerance	Mains Frequency and Tolerance	Applicable Legislation	Mains Plug Configuration				
				Domestic Standard	Please tick box if mandatory	Relevant International Standard	Extent of Alignment-	Diagram of Mains Plug Configuration-
Malaysia	240 volts single phase tolerance +5% -10%	50 Hz ± 1%	NA	MS 589 : PT.1 :1997 & MS 589 : PT .2 : 1997 for 3-pin rectangular type 13-amp plug	✓		-	 <p style="text-align: center;">13A FUSED PLUG                      15A PLUG</p>
	415 volts three phase tolerance +5% -10%	50 Hz ± 1%	NA		-	-	-	



## VIII CONTACT PERSON

Country	Contact Person and Address	
MALAYSIA	Ir. Hj. Shariff Udin Wakiman Director, Department of Electrical Safety, Energy Commission Level 10, Menara TH Perdana, 1001, Jalan Sultan Ismail 50250 Kuala Lumpur. Contact no:(603) 2612 5403 Fax no: (603) 2691 5584 Email: <a href="mailto:sudin@st.gov.my">sudin@st.gov.my</a> Website: <a href="http://www.st.gov.my">http://www.st.gov.my</a>	Ir. Md. Zakuan bin Hj. Ibrahim, Assistant Director, Department of Electrical Safety, Energy Commission Level 10, Menara TH Perdana, 1001, Jalan Sultan Ismail 50250 Kuala Lumpur. Contact no:(603) 2612 5408 Fax no: (603) 2691 5584 Email: <a href="mailto:zakuan@st.gov.my">zakuan@st.gov.my</a> Website: <a href="http://www.st.gov.my">http://www.st.gov.my</a>