

## High Voltage Switching Electrical Inspectorate Unit

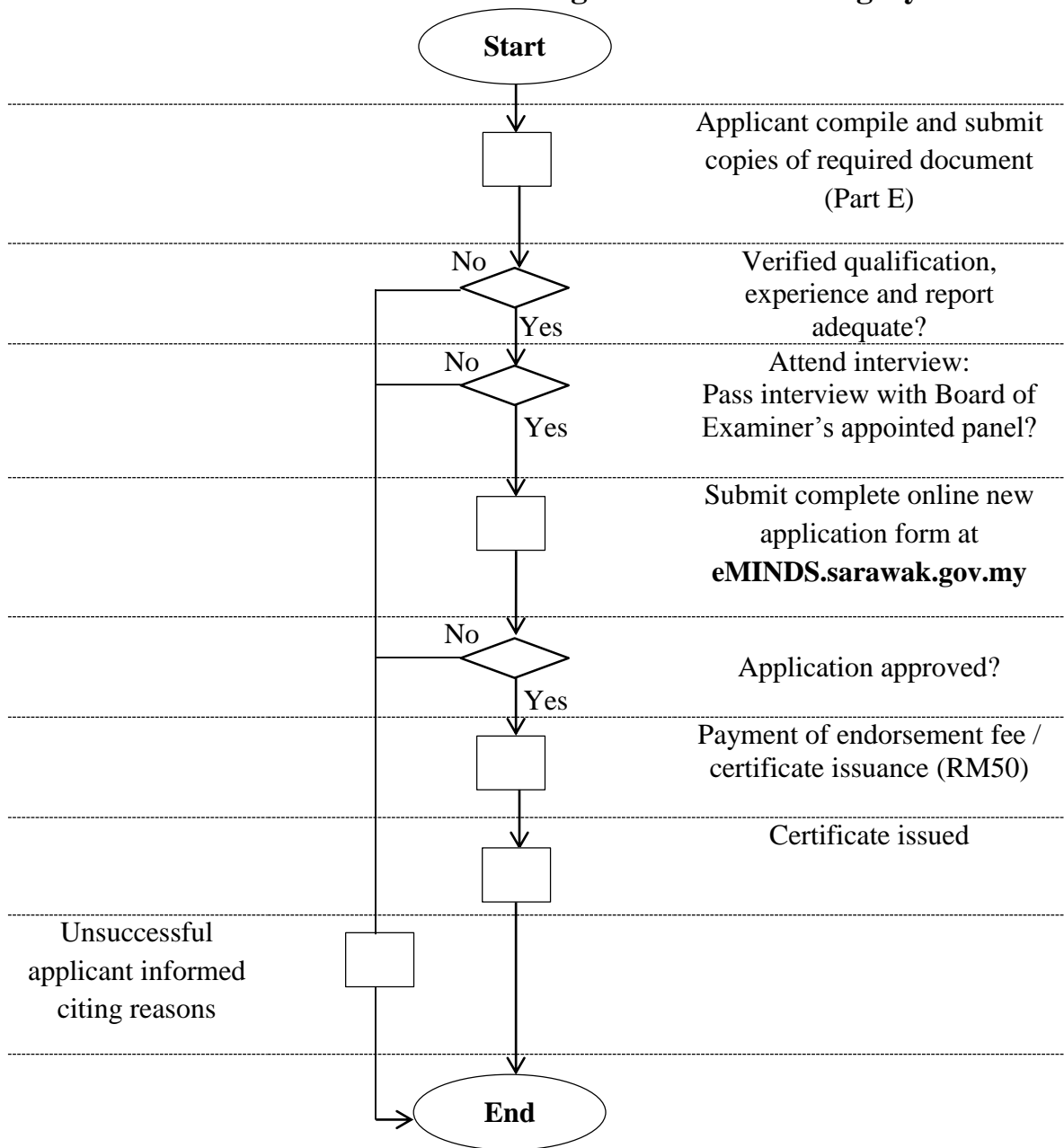
### A. General requirements for switching endorsement/category

No	Description	Requirements
1	<b>Citizen</b>	Malaysian Citizen.
2	<b>Minimum Age</b>	Not less than 20 years
3	<b>Competency Certificate</b>	<p><b>Holder of Chageman/ Electrical Supervisor/ Competent Electrical Engineer Certificate</b></p> <ul style="list-style-type: none"> <li>• Subject to requirements, switching either ‘restricted’ or ‘open’,</li> <li>• Switching endorsed on holder’s current certificate</li> </ul> <p><b>Not holder of Certificate</b></p> <ul style="list-style-type: none"> <li>• Applicable for ‘restricted’ only</li> <li>• Switching only as category on certificate issued</li> <li>• Work experiences submitted to be verified.</li> </ul>
4	<b>Working Experiences</b>	<p><b>Chageman</b> Not less than three years in an environment where electrical equipment is in operation and has had experience of controlling live equipment.</p> <p><b>Electrical Supervisor/Competent Electrical Engineer</b> Not less than five years in an environment where electrical equipment is in operation and has had experience of controlling live equipment.</p>
5	<b>Skills and knowledge</b>	<ul style="list-style-type: none"> <li>• Understands the use of various types of equipment under his charge and has sufficient knowledge to install and operate it without danger.</li> <li>• Sufficient knowledge of first aid, resuscitation and treatment of electric shock.</li> <li>• Sufficient knowledge of the Ordinance and any rules made thereunder.</li> </ul>
6	<b>Other conditions</b>	<ul style="list-style-type: none"> <li>• Submit the relevant documents</li> <li>• Pass interview with Board of Examiners’ appointed panel for switching endorsement/category.</li> </ul>

## B. Switching details

Switching Category/Endorsement	Voltage Level	Switching Classes	Pre-Requirement
<b>Restricted</b> (at designated premises)	up to 11 kV up to 33 kV up to 132 kV up to 275 kV up to 500kV	<p><b>Class 1 -</b> Authorize to issue and cancel electrical permit to work</p> <p><b>Class 2 –</b> Not authorize to issue and cancel electrical permit to work</p>	<p>Certificate holder with high voltage category/(ies)</p> <p><b>Note:</b> Holder who is no longer employed at the designated premises, the <i>switching endorsement</i> will be removed.</p> <p>Certificate holder with low-voltage category/(ies)</p> <p><b>Note:</b> Holder who is no longer employed at the designated premises, the <i>switching endorsement</i> will be removed.</p> <p>Certificate without Category.</p> <p><b>Note:</b> Holder who is no longer employed at the designated premises, the <i>certificate</i> will be cancelled and revoked.</p>
<b>Open</b> (throughout the state)	up to 11 kV up to 33 kV up to 132 kV up to 275 kV up to 500kV	<p><b>Class 1 -</b> Authorize to issue and cancel electrical permit to work</p> <p><b>Class 2 -</b> Not authorize to issue and cancel electrical permit to work</p>	<p>Holder with higher than low voltage category/(ies); and</p> <p>Attended relevant course and switching attachment</p>

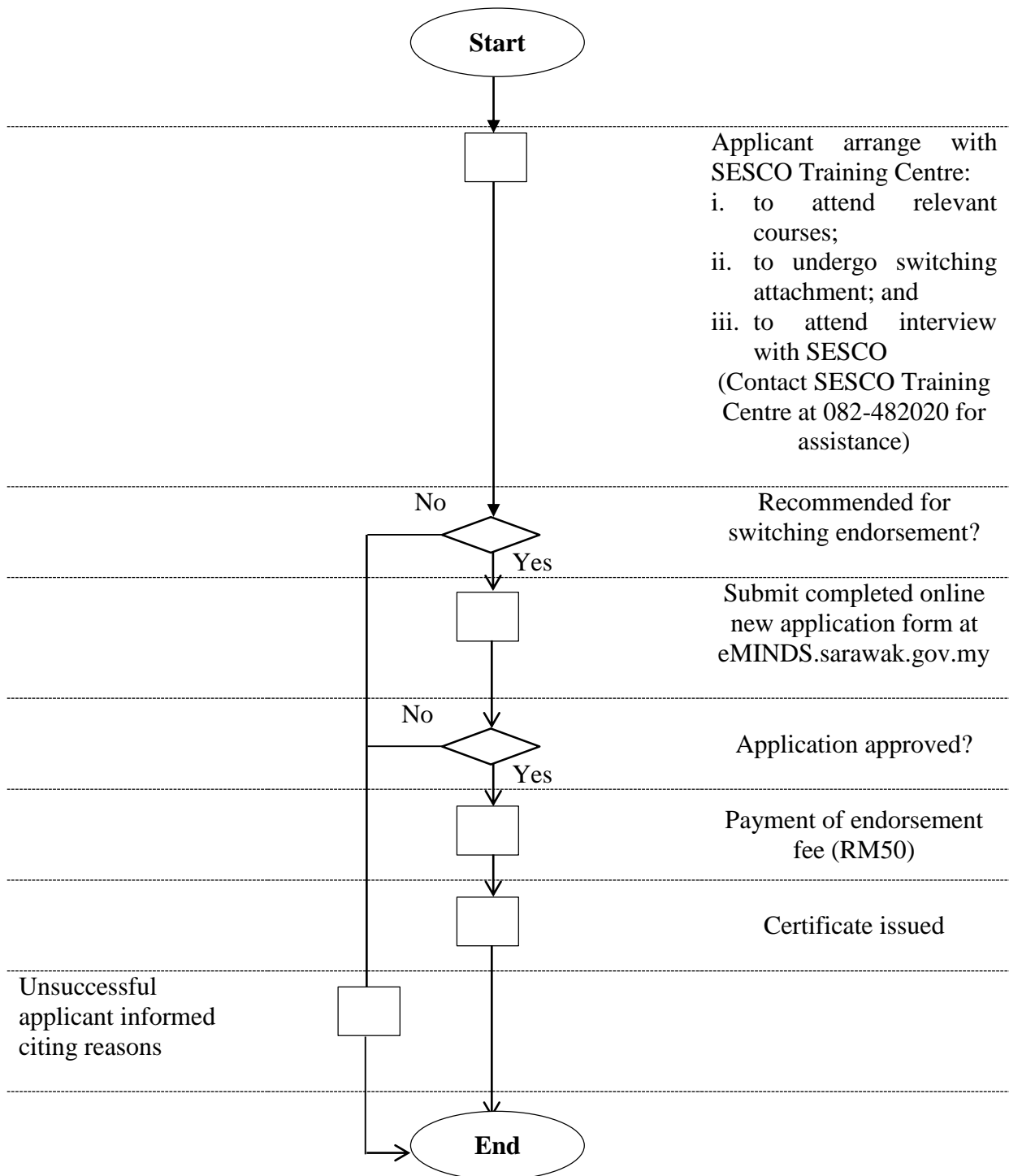
### C. Procedure for ‘Restricted’ switching endorsement/ category



**NOTE:**

1. *Restricted Switching endorsement/ category will indicate designated premises on Certificate of Competency for Chageman/ Electrical Supervisor/ Competent Electrical Engineer*
2. *Switching if:*
  - *“Restricted” applicable for designated premises.*
  - *“Open” applicable for throughout the state.*

### D. Procedure for ‘Open’ switching endorsement



**NOTE:**

1. *Restricted Switching endorsement/ category will indicate designated premises on Certificate of Competency for Chargeman/ Electrical Supervisor/ Competent Electrical Engineer*
2. *Switching if:*
  - *“Restricted” applicable for designated premises.*
  - *“Open” applicable for throughout the state.*

### **E. Preparation of document**

No	Document	Copy
<b>1</b>	<b>Chargeman with “Restricted” switching endorsement/ category</b>	
	Document Checklist for Submission (Restricted Switching)	1
	Form CAAC 11	1
	Photo copy of Identification Card (IC)	2
	Authorization letter and support letter from installation owner	2
	Switching log	2
	Switching Procedure Manual	2
	Switching Schematic Diagram	2
	Testimonial of employment	2

All documents in item (E) are to be submitted to:

**Electrical Inspectorate Unit  
11<sup>th</sup> Floor Wisma Satok,  
Jalan Satok,  
93400 Kuching, Sarawak**