Energy Market Authority
Smart Energy, Sustainable Future

LEW Refresher Course

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Electricity Inspectorate Branch
Electricity Industry Regulation Department
Industry Regulation Division

TOPICS

1. Clarification of Operating Voltage Limits Specified in Electrical Engineer Licences
2. Electrical Installation Licences for Contestable Consumers
3. Lifetime Validity of Electrical Worker Licence
4. Submission of SLD and inspection reports
5. Responsibilities of LEWs
6. Regulatory Action Against LEWs

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1 Clarification of Operating Voltage Limits Specified in Electrical Engineer Licences

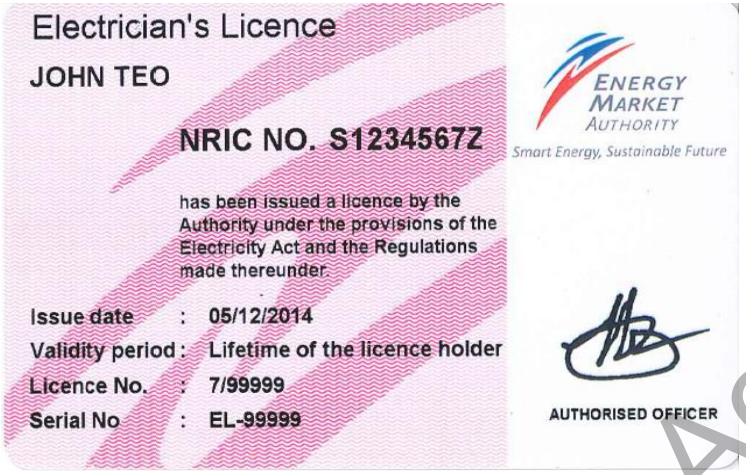
Electricity (Electrical Workers) Regulations

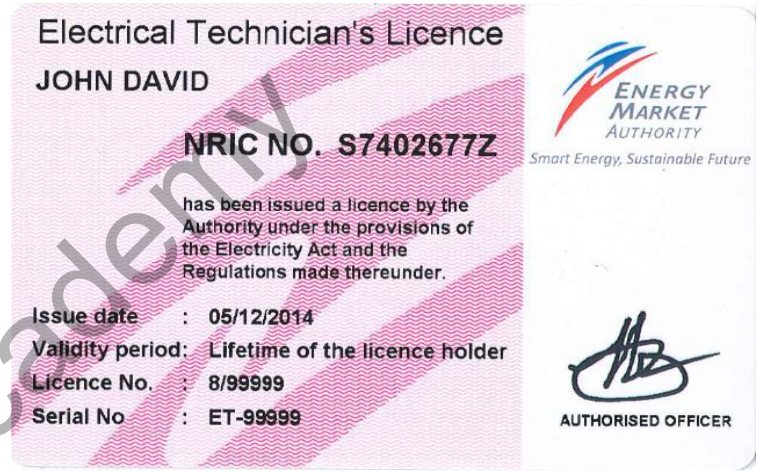
Regulation 5(3)

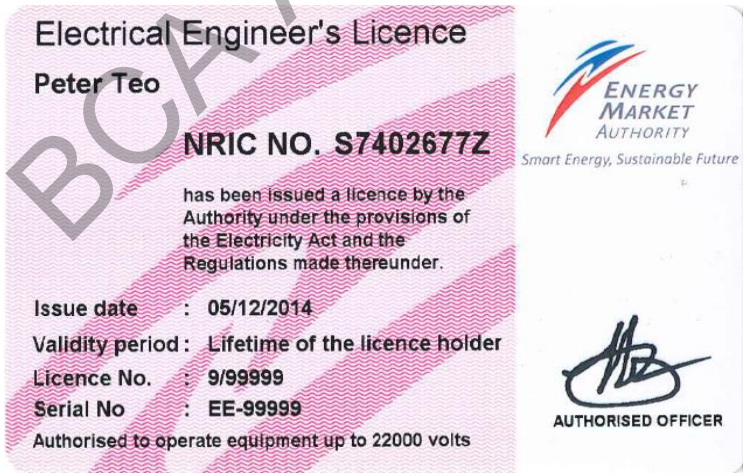
The holder of an electrical engineer's licence shall, **subject to any condition imposed by the Authority** under regulation 8(3), be entitled to design, install, repair, maintain, operate, inspect, test and take full charge and responsibility for any electrical installation

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1 Clarification of Operating Voltage Limits Specified in Electrical Engineer Licences







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2 Electrical Installation Licences for Contestable Consumers

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<u>En-bloc Contestability Scheme (ECS)</u>

Under the ECS, the landlord/MCST is required to obtain the **consent of all** the sub-metered tenants to buy electricity on their behalf, and the tenants must **not hold separate electricity accounts** with SP Services

2 Electrical Installation Licences for Contestable Consumers

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Demand Aggregate Scheme (DAS)

Under the DAS, the landlord/MCST shall configure his internal electrical reticulation system to aggregate part of the common services load and/or the load of the consenting tenants under a sub-metered account. He can then become a contestable consumer in respect of the sub-metered account

2 Electrical Installation Licences for Contestable Consumers

<u>Electrical Installation Licence for Landlord/MCST under ECS and DAS</u>

The landlord/MCST shall hold a valid EI licence to cover ;

(a) The EIs of both the landlord/MCST and all his tenants in the entire building under the ECS, or

(b) All the EIs that have been aggregated under the contestable sub-metered account under the DAS

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2 Electrical Installation Licences for Contestable Consumers

Upon the landlord/MCST becoming a contestable consumer, all the tenants under ECS or all the relevant tenants under DAS can choose to continue holding their existing valid EI licences covering their respective Els until their existing licences expire

Thereafter, the EI licence of the landlord/MCST shall cover the Els of such tenants

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3 Lifetime Validity of Electrical Worker Licence

Electrical worker licence issued or renewed on or after 1 Aug 2014 will be **valid for the lifetime** of the licence holder unless it is cancelled or suspended

Current requirement for all LEWs to attend a prescribed refresher course once **every 5 years** remain unchanged

An LEW who is **65 years or older** shall continue to obtain certification from a Registered Medical Practitioner (RMP) once every 3 years certifying him/her fit to carry out and supervise electrical works

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3 Lifetime Validity of Electrical Worker Licence

Self-employed LEWs are required to fulfill their **medisave** liabilities with the CPFB

An LEW who fails to attend the prescribed refresher course or obtain certification from a RMP within the stipulated periods, failing to fulfill their medisave liabilities (if self-employed) will have his **licence suspended**

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4 Submission of SLD and inspection reports

Electricity (Electrical Installations) Regulations

Regulation 28(4)

No electrical or supply installation licence or renewal of such licence shall be granted by the Authority unless the licensed electrical worker has
(a) appointed by applicant ;
(b) inspected and tested installation ;
(c) issued Certificate of Fitness ;

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4 Submission of SLD and inspection reports

(d) submitted a schematic single-line wiring diagram of the installation to the Authority or, where the licensed electrical worker is unable to submit the diagram, a written undertaking in such form as may be provided by the Authority; and

(e) given a written undertaking to the Authority to inspect the electrical or supply installation at such regular intervals as may be required by the Authority and after each inspection submit an inspection report to the Authority.

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4 Submission of SLD and inspection reports

(f) Inspection Report Submission

- Ensure address is correct
- All checkboxes must be filled
- Additional details or rectification actions is required for non-compliance/ unacceptable conditions
- Ensure all pages of the forms are filled and submitted
- Report must be signed by LEW with the declaration of fitness and the Witness/ licensee representative after site inspection
- Total declared load should tally with the circuit breaker size if otherwise LEW to explain

(g) Inspection forms will be revised and made available online

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5 Responsibilities of LEWs

LEWs shall ensure that the EIs under their charge are properly maintained according to OEM recommendations and are safe for use

Before taking over an EI, the LEW shall inspect the EI and review the past maintenance records to satisfy himself on the fitness of the EI for safe operation

LEW should advise the owner to carry out necessary maintenance and/or rectification work where applicable

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5 Responsibilities of LEWs

LEWs are reminded to exercise due care and diligence in performing electrical works and taking charge of EIs.

Enforcement actions will be taken against LEWs who are found to have failed in carrying out their duties with due care and diligence.

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6 Regulatory Action Against LEWs

Case 1

A LEW failed to supervise circuit breakers replacement work at an EI. Instead he allowed a non-LEW to carry out the electrical work and energise the supply to the EI

The LEW's licence was suspended and the non-LEW was found guilty and convicted

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6 Regulatory Action Against LEWs

Case 2

A LEW taking charge of an EI at a construction worksite submitted monthly inspection reports to EMA, but was found not carrying out monthly inspections of the EI

The LEW's licence was suspended.

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6 Regulatory Action Against LEWs

Case 3

A LEW taking charge of an SI at a trade fair had declared that the SI was fit for operation when it was not. The LEW also failed to carry out daily inspection of the SI

The LEW's licence was suspended.

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6 Regulatory Action Against LEWs



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Regulatory Action Against Licensed Workers

Name & Licence No.	Type of Licence	Action Taken	Remarks
[redacted]	Electrican	Licence suspended for 3 months from 24 May 2016 to 23 Aug 2016.	Licence suspended pursuant to Regulation 12(1)(i) of the Electricity (Electrical Workers) Regulations.
[redacted]	Cable Detection Worker	Licence suspended for 6 months from 26 Apr 2016 to 25 Oct 2016.	Licence suspended pursuant to Regulation 8(1)(h) of the Electricity (Cable Detection Workers) Regulations.
J[redacted]I	Gas Service Worker (Restricted)	Licence suspended for 3 months from 05 Apr 2016 to 04 July 2016	Licence suspended pursuant to Regulation 34(1)(h) of the Gas (Supply) Regulations
[redacted]	Electrical Technician	Licence suspended for 6 months from 29 Dec 2015 to 28 Jun 2016.	Licence suspended pursuant to Regulation 12(1)(i) of the Electricity (Electrical Workers) Regulations.
[redacted]	Electrical Engineer	Licence cancelled wef 13 Nov 2013	Licence cancelled pursuant to Regulation 12(1)(h) of the Electricity (Electrical Workers) Regulations.

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