

1960/154



## THE ELECTRIC LINEMEN REGULATIONS 1960

COBHAM, Governor-General

### ORDER IN COUNCIL

At the Government House at Wellington this 28th day of September 1960

Present:

HIS EXCELLENCY THE GOVERNOR-GENERAL IN COUNCIL

PURSUANT to the Electric Linemen Act 1959, His Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, hereby makes the following regulations.

### REGULATIONS

#### *Preliminary*

1. (1) These regulations may be cited as the Electric Linemen Regulations 1960.

(2) These Regulations shall come into force on the 1st day of October 1960.

2. (1) In these regulations, unless the context otherwise requires,—

“The Act” means the Electric Linemen Act 1959:

“Certificate” means a certificate of competency as an electric lineman under the Act:

Expressions defined in the Act have the meanings so defined.

(2) In these regulations a reference to a numbered form is a reference to a form so numbered in the First Schedule to these regulations.

#### *Application for Approval of School*

3. An application for the approval of a school established under section 11 of the Act shall be made in form 1.

#### *Practical Experience Required for Grant of Certificate*

4. An applicant for the grant of a certificate who has completed a course of training at an approved school shall have had at least two years' practical training in prescribed work.

5. An applicant for the grant of a certificate who has not completed a course of training at an approved school shall have had at least two years' practical training in prescribed work and, in addition, at least one year's training in such other work as is approved by the Committee.

*Examinations*

6. The Committee may from time to time at such intervals and at such convenient centres as it may determine, hold or arrange for the holding of examinations of candidates for certificates.

7. The Committee may decline to hold or arrange for the holding of an examination at any centre where in its opinion the total number of candidates is insufficient.

8. The Committee shall, by such means as it thinks fit, give due notice of the dates and places at which examinations will be held.

9. Every candidate shall give, in accordance with an application form obtained from the Committee, notice of his intention to present himself for examination and the notice, accompanied by the fee hereinafter prescribed, shall be sent so as to reach the Registrar not later than a date which has been fixed by the Committee as the closing date for examination entries, and of which due notice has been given by such means as the Committee thinks fit:

Provided that the Committee may, if it thinks fit, on payment of the additional fee hereinafter prescribed, permit any person who has not given the prescribed notice, but who has given notice not later than 14 days after the date fixed and notified as aforesaid, to present himself for examination.

10. (1) Unless otherwise determined by the Committee, the examinations to be passed by the applicants for grant of certificates shall comprise:

(a) An oral examination; and

(b) A practical test of workmanship.

(2) The practical test may be passed before, together with, or after the oral examination.

11. The subject-matter in which a candidate shall be examined for a certificate shall be that prescribed in the Second Schedule to these regulations.

12. (1) The Committee may from time to time appoint suitable persons to be examiners and may fix and pay such remuneration to the examiners as the Committee may think fit.

(2) The Committee may make all necessary arrangements for the conduct of examinations, and may employ and pay supervisors and hire examination rooms or premises.

13. (1) The Committee may make arrangements with the controlling authority of any approved school or any other body for the conduct of examinations on behalf of the Committee, and of all matters incidental thereto.

(2) The Committee may, if it thinks fit, direct that all or any of the rules and regulations of the authority or body conducting any examination on behalf of or in cooperation with the Committee shall apply to the conduct of that examination and all matters incidental thereto.

14. (1) Where an approved school conducts examinations of trainees trained in the school, the provisions of regulations 8 and 9 of these regulations shall not apply in the case of those examinations, and the following provisions shall apply instead thereof:

(a) The controlling authority of the approved school shall, by such means as it thinks fit, give due notice to the trainees of the dates and places at which examinations will be held:

(b) Every candidate shall give, in accordance with an application form obtained from the school or approved by the controlling authority, notice of his intention to present himself for examination, and the notice, accompanied by the fee hereinafter prescribed, shall be sent so as to reach the controlling authority not later than a date fixed by the controlling authority as the closing date for examination entries, and of which due notice has been given by such means as the controlling authority thinks fit.

(2) The controlling authority shall immediately after the date fixed as the closing date for examination entries pay the fees received into the Public Account to the credit of the Electric Supply Account, and notify the Registrar of the entries received.

(3) The controlling authority shall notify the Registrar of the persons whom it wishes to have appointed as examiners or supervisors for examinations conducted by the school.

15. The supervisor or examiner may require any candidate presenting himself at an examination to furnish such proof of his identity as the supervisor or the examiner may require.

16. The examining authority or body shall supply all materials, equipment, and tools for the practical examination.

17. The examining authority or body shall notify candidates and the Committee of the results of the examinations.

18. Except as provided in these regulations, no person shall give any information as to the results of the examination or any matter connected therewith without the consent or authority of the Committee or the Registrar.

#### *Application for Grant of Certificate*

19. (1) Every application for the grant of a certificate shall be in form 2.

(2) Every applicant for the grant of a certificate and every person holding a certificate shall notify the Registrar forthwith of any change of the address at which notices may be served on him.

20. Any notification required by the Act or these regulations to be given to any applicant for the grant of a certificate (whether before or after the certificate is granted) shall be sufficient if signed by the Registrar and posted, addressed to the applicant at the address stated by him in his application or at any fresh address notified by him as hereinbefore provided, and sent by registered post, and if so sent it shall be deemed to have been received by him at the time at which the letter would have been delivered in the ordinary course of post.

#### *Certificate of Competency*

21. The certificate of competency shall be in form 3.

22. In any case where any certificate has become damaged or lost or destroyed, a replacement certificate shall be issued on payment of the fee hereinafter prescribed if the previous certificate has been returned to the Committee or it is proved to the satisfaction of the Committee that the previous certificate has been lost or destroyed.

23. (1) Every certificate shall from time to time be endorsed by a responsible officer of the supply authority or other employer by which the holder of the certificate is employed with a statement, in accordance with form 3, to the effect that the holder has attended the refresher courses required under subsection (1) of section 17 of the Act in accordance with regulations 44, 45, and 47 hereof.

(2) The endorsements shall be made immediately after the holding of the refresher courses in safety precautions referred to in those regulations, and shall relate to both the refresher courses in safety precautions and the refresher courses in resuscitation attended during the period to which the endorsements relate.

(3) No such endorsement as aforesaid shall be required to be made during the period of 14 months after the date on which any certificate, other than a replacement certificate issued under regulation 22 hereof, is granted.

#### *Register*

24. (1) The register of persons to whom certificates have been granted shall be kept in form 4.

(2) The Registrar shall keep an alphabetical index of the names of the persons entered in the register and the index shall be deemed to be part of the register.

25. A direction of the Committee to make any entry in the register shall be sufficient if signed by the Chairman and given pursuant to a resolution of the Committee.

26. (1) Any person may, on payment of the fee hereinafter prescribed, inspect the register.

(2) Any person may, on payment of the fee hereinafter prescribed, obtain a copy certified under the hand of the Registrar of the particulars entered in the register in respect of any person.

27. Every person whose name has been removed from the register shall, wherever possible, be notified by the Registrar to that effect.

#### *Fees*

28. (1) The fees payable under these regulations shall be as follows:

(a) For the grant of a certificate under section 14 or paragraph (b) or paragraph (c) of subsection (1) of section 15 of the Act	.....	.....	.....	£	s.	d.
				1	0	0
(b) For the grant of a certificate under paragraph (a) of subsection (1) of section 15 or under subsection (2) of section 17 of the Act	.....	.....	.....	0	10	0
(c) For an appeal against a decision of the Committee	.....	.....	.....	2	2	0
(d) For a replacement certificate	.....	.....	.....	0	10	0
(e) For entry for oral examination	.....	.....	.....	0	10	0
(f) For entry for practical examination	.....	.....	.....	0	10	0
(g) For a late entry in respect of any examination	.....	.....	.....	0	10	0

(2) The fee for inspection of the actual register shall be 1s. for every name in respect of which the entries are inspected. The fee for a certified copy of any entry in the register shall be 5s.

*Refund of Fees*

29. The fee for an appeal against a decision of the Committee shall be refunded if the appeal is upheld by the Board of Appeal.

30. The fee paid in respect of any examination may be refunded at the discretion of the Committee, if—

- (a) The application is withdrawn on or before the last day fixed for receipt of applications; or
- (b) The application is received after the last day fixed for the receipt of applications; or
- (c) The application is withdrawn by reason of the fact that no examination is held at the centre named in the application; or
- (d) The applicant is unable to attend the examination owing to sickness or circumstances beyond his control.

*Appeals*

31. Every person who wishes to appeal against any decision of the Committee shall give notice in form 5, and pay the prescribed fee, to the Committee; and the appellant shall specify in the notice the name of the person whom he appoints to act as assessor on his behalf at the hearing of his appeal and that assessor shall give in writing his consent to act. Such of the provisions of these regulations as the Committee thinks fit may be printed on the said form, but shall not be deemed to be part thereof.

32. Within 49 days after receipt of any such notice of appeal the Committee shall inform the appellant of the name of the assessor appointed by the Committee, and shall forward to the Magistrate a copy of the Committee's decision appealed against and the notice of appeal therefrom, together with a notice of the name of the assessor appointed by the Committee.

33. The Board of Appeal shall hear and determine the appeal at such convenient place, date, and time as may be decided by the Magistrate, which date shall be not more than 70 days after the date of the receipt by the Committee of the notice of appeal.

34. The Magistrate shall cause at least 14 days' previous notice of the place and time fixed for the hearing of the appeal to be given to the assessors, the Committee, and the appellant.

35. At the hearing of the appeal the appellant may appear himself or may be represented by some person on his behalf, and the Committee may be represented by any member thereof appointed by the Committee, or by some other person appointed by the Committee.

36. The Board of Appeal may, in its discretion, receive any evidence that it thinks fit (whether on oath or otherwise), and may act on any statement, document, information, or matter which in the opinion of the Board of Appeal may assist it to deal with the matters before it, whether the same would be legally admissible in a Court of law or not.

37. In matters not expressly provided for in the Act or by these regulations or by any other enactment, the procedure of the Board of Appeal shall be such as the Magistrate may determine.

38. The Board of Appeal may from time to time adjourn the hearing and may take time for the consideration or determination of the appeal.

39. The determination of the Board of Appeal shall be in writing signed by the Magistrate and the assessors and a copy of the determination shall be given to the appellant and to the Committee and the Committee shall at once give effect to the determination. No determination shall be invalid by reason of the omission or refusal of any assessor to sign it.

*Prescribed Work*

40. Subject to regulation 41 of these regulations, prescribed work is hereby declared to be work of one or more of the following descriptions:

- (a) The isolating and earthing of any electric line preparatory to work being done:
- (b) The erection of any conductor on a support carrying other conductors that are alive or liable to become alive:
- (c) Any work on an overhead line that is alive or liable to become alive, including the connecting of a service line:
- (d) The erection and connection of any transformer where circuits are alive or liable to become alive:
- (e) Any work on an electric line or apparatus inside a substation enclosure:
- (f) Any work on indoor or outdoor switchgear or other electrical apparatus where isolation or earthing, or both, are required to enable the work to be done safely.

41. Notwithstanding the provisions of regulation 40 of these regulations, work of one or more of the following descriptions shall be deemed not to be prescribed work for the purposes of the Act:

- (a) Any work on—
  - (i) Any electric fence:
  - (ii) Any overhead trolley-wire for electric traction on a railway, tramway, or trolley-bus system:
  - (iii) Any radio or television aerial:
  - (iv) Any defence equipment:
  - (v) Any telegraph, telephone, or signal line (including any work in connection with any such line on any support thereof, whether or not that support is used to support any other electric line):
  - (vi) Any transmission line or other electric line or work of the Department not being a line or work forming part of a reticulation system for retail distribution to consumers:
  - (vii) Electrical reticulation of the Department in a power-station village or substation village, if the work is done by persons employed by the Department and the reticulation is not for the time being alive:
- (b) The laying of any underground cable:
- (c) Any electrical wiring work as defined in the Electricians Registration Regulations 1956\*:
- (d) Any new construction work where the electric line or apparatus under construction is not alive or liable to become alive and is not being erected on a support carrying conductors that are alive or liable to become alive.

*Restrictions on Work of Persons Undergoing Training*

42. A person undergoing training for the purpose of obtaining a certificate shall not work on any live overhead line until he has completed six months of his training:

Provided that a person who has completed a course of training at an approved school may work on any such line after he has completed three months of his training.

*Supply Authority Employees*

43. Supply authority employees of the classes specified in this regulation may do prescribed work in accordance with subsection (4) of section 19 of the Act:

- (a) Faultsmen, troublemen, or servicemen:
- (b) Fitters, electrical or mechanical:
- (c) Technicians, communication, testroom, or relay:
- (d) Cable jointers and their assistants:
- (e) Engineers holding "recognised certificates" under the Engineers Registration Act 1924, but not registered under that Act:
- (f) Engineers' assistants.

*Refresher Courses in Safety Precautions and Resuscitation*

44. The syllabus of the refresher courses in safety precautions and resuscitation for electric linemen, supply authority employees, and registered electricians shall be in accordance with the Safety Manual issued by the Electric Supply Authority Engineers' Institute of New Zealand Incorporated and approved by the General Manager of the Department.

45. Every person who is required by the Act to attend safety and refresher courses shall attend refresher courses at intervals, fixed by the authority conducting the courses and approved by the Committee, not exceeding 14 months, in the case of courses in safety precautions, and not exceeding seven months, in the case of courses in resuscitation, commencing as follows—

- (a) In the case of an electric lineman other than one holding a certificate granted under subsection (2) of section 17 of the Act, from the date on which his certificate was first granted; and
- (b) In the case of any other person, from the respective dates of the courses attended under regulation 46 hereof.

46. The refresher courses required to be attended by an electric lineman under subsection (3) of section 15 or subsection (2) of section 17 of the Act, or by a registered electrician under paragraph (c) of subsection (1) of section 19 of the Act, or by an employee of a supply authority under subsection (4) of the said section 19, shall have been attended within 14 months (in the case of a course in safety precautions), and within seven months (in the case of a course in resuscitation), before the grant of the certificate or the doing of the prescribed work, as the case may be.

47. Each refresher course shall be conducted by a supply authority, an approved school, the New Zealand Electricity Department, the Post Office, the New Zealand Government Railways Department, any other body or authority approved for the purpose by the Committee, or a group comprising any two or more of any such authorities, schools, and Departments.

48. Particulars of each refresher course, including the names and addresses of the persons attending, the date or dates of the course, and the names of the person in charge and of the instructors, shall be entered in a register kept by the authority, school, or Department conducting the course.

SCHEDULES

FIRST SCHEDULE

FORMS

Reg. 3

Form No. 1

ELECTRIC LINEMEN TRAINING COMMITTEE

The Registrar,

Electric Linemen Training Committee,  
New Zealand Electricity Department,  
P.O. Box 8025,  
Wellington.

Application for: *Approval of Electric Linemen Training School*

PURSUANT to section 11 of the Electric Linemen Act 1959, the \*..... hereby makes application for the approval of a training school to be established at †..... for the purpose of training electric linemen.

Signature: .....

Designation: .....

Address: .....  
.....  
.....

Date: .....

This application must be supported by the following particulars:

- (a) A description of the course of training provided at the school.
- (b) The period of training which the school proposes to give each trainee with particulars of the period to be devoted to safety training.
- (c) Details of equipment available for training.

\*The name of the Supply Authority or other body making the application.

†The address of the premises where the training school is to be conducted.

NOTE—The periods mentioned in (b) should be quoted in hours.



FIRST SCHEDULE—*continued*

Reg. 19

Form No. 2

ELECTRIC LINEMEN TRAINING COMMITTEE

Application for: *Certificate of Competency*

1. State your full legal name (print in capital letters):  
 Christian names: ..... Surname: .....

2. Postal address (print in capital letters):  
 Number and street: .....  
 Suburb: ..... Town: .....

3. Date of birth: ..... day of ..... 19.....

4. Practical experience:

Name of Present Employer	Length of Time Employed		Position Held
	Years	Months	
Names of Past Employers			
Total			

Period of training at an approved school

5. State nature of any relevant electrical licence or certificate held:  
 .....

6. State details of examination passed for Certificate of Competency:  
 Date of examination: .....  
 Place examination sat: .....

7. I certify that the foregoing details are correct:  
 Signature of applicant: ..... Date: .....

8. *For Office Use Only*

Application checked: .....  
 Fee received: ..... Receipt No. ....  
 Application referred to Committee: ..... /...../19.....  
 Decision of Committee: .....  
 Chairman: ..... Date: .....  
 Certificate of Competency issued No. ....

FIRST SCHEDULE—continued

9. Certificate of Training

I certify, in accordance with section 14 (b) of the Electric Linemen Act 1959, that ....., who has had two years' practical experience, has completed a course of training at ....., an approved school, and recommend that he be granted a Certificate of Competency.

Signature: .....
Designation: .....
Address: .....
Date: .....

(To be signed by person by whom last employed as an electric lineman.)

10. Certificate of Character

I certify that I have known ..... for a period of ..... and that to the best of my knowledge and belief he is of good character and reputation.

Signature: .....
Occupation: .....
Address: .....
Date: .....

(To be signed by the Engineer of the Supply Authority employing the applicant or by some other person of standing in the community.)

11. Scale of Fees

Table with 3 columns: Description, £, s., d.
For issue of Certificate of Competency:
Under sections 14, 15 (1) (b), 15 (1) (c) ..... 1 0 0
Under section 15 (1) (a) ..... 0 10 0

12. Address application to—

The Registrar,
Electric Linemen Training Committee,
New Zealand Electricity Department,
P.O. Box 8025,
Wellington.



FIRST SCHEDULE—continued

Reg. 31

Form No. 5

Electric Linemen Act 1959

NOTICE OF APPEAL

Two copies of this form are to be filled in and signed by the appellant and posted to the Registrar, Electric Linemen Training Committee, P.O. Box 8025, Wellington.

- 1. Appellant's name (in full) : .....
- 2. Certificate of Competency No. ....
- 3. Postal address: [*State street number where possible*].

I hereby give notice of appeal against the decision of the Electric Linemen Training Committee [*State here decision appealed against*] on the following grounds: [*State facts concisely, and number the paragraphs*].

Signature of appellant: ..... Date: ...../...../19.....

I hereby consent to act as assessor for the appellant at the hearing of this appeal.

Signature of assessor for appellant: ..... Date: ...../...../19.....

Address of assessor: .....

Appellants are requested to read the extracts from the regulations printed on the back of this form.

(To be Filled In by Electric Linemen Training Committee)

Submitted to Committee: .....

....., Chairman.

Reg. 11

SECOND SCHEDULE

SUBJECT MATTER OF EXAMINATIONS

IN this Schedule references to numbered chapters and clauses are references to the chapters and clauses so numbered of *The Lineman's Handbook* published by the Electric Supply Authority Engineers' Institute of New Zealand Incorporated.

Oral Examination

A general knowledge of—

- 1. Elementary principles of electricity (Chapter 3).
- 2. D.C. and A.C. systems (Chapter 4).
- 3. Transformers (Chapter 5).
- 4. Switchgear and fuses (Chapter 6).
- 5. Substations (Chapter 7).
- 6. Underground cables (Chapter 8).
- 7. Electric line faults and location (Chapter 15).
- 8. Street lighting (Chapter 16).
- 9. Electrical Supply Regulations (Chapter 19).
- 10. Organisation (Chapter 22).
- 11. Meters, instruments, and testing (Chapter 23).

A more particular knowledge of—

- 12. Overhead lines – general description (Chapter 9).
- 13. Overhead lines – design considerations—clauses 1, 2, 3, 4, 5, 6, 7, 8, 10/2, 11, 12: a general knowledge only of clauses 9, 10/1 (Chapter 10).

SECOND SCHEDULE—*continued*

14. Overhead lines – construction—clauses 1/8, 2, 3, 4, 5, 6: a general knowledge only of clauses 1/1 to 1/7 (Chapter 11).
15. Overhead lines – maintenance (Chapter 12).
16. Ropes and knots—clauses 1/1, 2/4, 2/6, 2/7, 3, 4: a general knowledge only of clauses 1/2, 1/3, 2/1, 2/2, 2/3, 2/5, 2/8 (Chapter 13).
17. Tools and equipment (Chapter 14).
18. Tree cutting (Chapter 17).
19. Earthing and earth testing—clauses 1, 2, 3: a general knowledge only of clause 4 (Chapter 18).
20. Safe working—a thorough knowledge of the Safety Manual, with the exception of section 5 – Underground Cables, and section 8 – Extracts from regulations (Chapter 20).
21. First aid and resuscitation (Chapter 21).

*Practical Examination*

1. Pole fitting on ground and in the air.
2. Pole erection and lowering.
3. Stringing and sagging conductors, low voltage only, also low voltage under high voltage, particularly when high voltage assumed to be alive. To include work on copper and aluminium lines, joints and fittings.
4. Straining and binding in.
5. Staying and guying.
6. Erecting and operating A.B. switches.
7. Erection of transformer structures and erection and connection of transformers.
8. Isolating and earthing.
9. Cutting in service line on live low voltage and fusing.
10. Earthing and earth testing.
11. Resuscitation and first aid.
12. Taking charge over men and organising work.

T. J. SHERRARD,  
Clerk of the Executive Council.

## EXPLANATORY NOTE

*This note is not part of the regulations, but is intended to indicate their general effect.*

These regulations make the necessary provisions in connection with the due administration of the Electric Linemen Act 1959, and will come into force on 1 October 1960.

The regulations provide for the conduct of examinations for electric linemen and of appeals against decisions of the Electric Linemen Training Committee; prescribe fees for examinations, the certification of linemen, and appeals; provide for the refund of fees; and prescribe forms for applications, notices, certificates, and the register.

The following matters are also specified in the regulations:

- (a) The practical experience required for the grant of a certificate:
- (b) The subject matter of oral and practical examinations:
- (c) The syllabus of refresher courses for electric linemen and others authorised to work on overhead lines:
- (d) The definition of the classes of work on or in connection with overhead lines which may only be done by persons authorised under the Act:
- (e) The classes of supply authority employees who may do certain types of overhead line work without holding certificates as linemen.

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Issued under the authority of the Regulations Act 1936.

Date of notification in *Gazette*: 29 September 1960.

These regulations are administered in the New Zealand Electricity Department.