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THE ELECTRICITY LAW

(1997 Revision)

ELECTRICITY REGULATIONS

(1997 Revision)

The Electricity Regulations, 1977 made the 27th day of September, 1977

Consolidated with the-

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ELECTRICITY REGULATIONS

(1997 Revision)

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ELECTRICITY REGULATIONS

(1997 Revision)

PART I-Introductory

1. These Regulations may be cited as the Electricity Regulations (1997 Revision). Citation

2. In these Regulations-

Definitions

“accessory” means a device such as an adapter cut-out, plug or socket which is associated with wiring, fitting, switchboards or appliances; but does not include a switchboard, fitting or appliance as herein specifically defined;

“approved” means approved by the Electrical Inspectorate;

“armoured cable” means a cable provided with a metallic covering of wires or tapes as a protection against mechanical injury;

“authorised Inspector” means an Electrical Inspector authorised in writing under the Law;

“Board of Examiners” means the board appointed under regulation 56(2) responsible for the licensing of persons under the Law;

“British Standard Specification” means a specification issued under that name by the British Standards Institution, and includes all supplements, amendments and additional British Standards which may, from time to time, be issued in connection therewith;

“cable” means one or more conductors whether with or without insulating covering and with or without protective coverings;

“consumer” means any person supplied or entitled to be supplied with electricity by undertakers;

“electrical hazard” means danger to life and/or property from electrical energy;

“fixed wiring” means all conductors forming part of the electrical installation between the place of entry at which supply is obtained and any point of outlet;

“fuse-link” means the actual wire or strip of metal in a cut-out or other device which is intended to be fused by an excessive current;

“grounded” means connected to the general mass of earth in such a manner as will ensure at all times the immediate discharge of electrical energy without electrical hazard;

“inflammable” means capable of being readily ignited;

“live” or “alive” in relation to a conductor, means its condition when a potential difference exists between it and ground;

“N.E.C.” means the National Electrical Code published by the National Fire Protection Association in the United States of America and current at any time;

“non-reversible” in respect of any accessory device in the nature of an adapter, or a plug and socket, for connecting apparatus, means so constructed and installed that the respective conductors between such adapter, or plug, and the device are always connected to the same pole, phase, neutral or earthed conductor, as the case may be;

“point” means a point on the wiring system at which current is taken to supply lamps, heaters, motors and current-using devices generally;

“premises” includes any land owned or occupied by an undertaker or consumer, as the case may be, on which electrical energy is generated, transmitted or used;

“P.V.C.” means polyvinyl-chloride compound;

“section” means a section of the Law;

“source of supply” means either the generating station, substation or transformer, as the case may be, which is the source of the electrical energy at the voltage at which it is delivered to the consumer; and

“switchgear” means any apparatus for controlling the distribution of electrical energy, for controlling or protecting electrical circuits machines or other apparatus.

PART II-Application, Modification and Exemption

3. (1) Subject to section 3, these Regulations apply to all electrical installations connected with any source from which electrical energy is available: Application

Provided that nothing herein contained applies to any electric line or work which is an installation-

- (a) on any vessel or vehicle used for transport purposes with the exception of mobile homes or recreational vehicles;
- (b) of communication equipment under the exclusive control of communication utilities, located outdoors or in building spaces used exclusively for such installations; or
- (c) under the exclusive control of electric utilities for the purpose of communication or metering; or for the generation, control, transmission and distribution of electric energy located in buildings used exclusively by utilities for such purposes or located outdoors on property owned or leased by the utility or on public highways, streets, roads, etc., or outdoors by established rights over private property.

(2) Additions and alterations to existing installations are deemed to be new installations, and these Regulations apply to all work done in connection with such additions and alterations.

4. (1) Subject to sub-regulation (2), where an undertaker is empowered to supply electrical energy to any consumer, such undertaker shall not connect with such supply any new installation on a consumer's premises unless such installation or any completed part thereof has been inspected, tested and certified pursuant to regulations 54 and 55. Connection, inspection and testing, etc.

(2) An authorised inspector may authorise a temporary connection pending an inspection, provided that the tests prescribed by regulations 50 and 54 have (where applicable) been satisfied, and that such temporary connection is made for a period not exceeding three months.

5. No undertaker shall connect, supply or continue to supply electrical energy to any existing installation connected with such undertaker's lines unless every part of such installation is free from electrical hazard. Hazardous installations

6. Where any installation and all appliances connected therewith comply with the requirements of these Regulations, the undertaker shall not, without the written permission of the Inspectorate, refuse or fail to supply such installation on the Compliance with regulations

	ground only that the installation or any appliance therewith constitutes an electrical hazard.
Supply authority as consumer	7. In any case where the undertaker is also the consumer of the electrical energy supplied by it, the conditions imposed by regulations 3 and 4 shall apply to it in its capacity as undertaker as if it were supplying energy to a consumer other than itself.
Persons to be licensed	8. (1) No person other than a licensee under the Law shall make, cause to be made or extend any installation of wires or fittings for electrical purposes. (2) Persons engaged in electrical work shall be classified in accordance with regulation 60.
Licences	9. For the purpose of obtaining a licence, persons shall be subject to the requirements of regulations 56 to 60.
Existing permits, approval, etc.	10. Permits, approvals, requirements and authorisations, and generally all acts of authority which subsist at the 10th October, 1977 take effect for the purposes of these Regulations as fully and effectually as if they had originated under these Regulations and are deemed so to have originated.
Material in stock, etc.	11. (1) Nothing in these Regulations prohibits the sale, installation or use of anything thereby affected which was in the Islands, in transit in the Islands or the subject of an irrevocable order by a person in the Islands at the 10th October, 1977 provided that it is free from electrical hazard and either conforms with or is approved under the Law. (2) The Inspectorate may, by giving not less than six months' notice in the Gazette, require that material which does not comply with the requirements or these Regulations, be used only in certain specified places and have affixed, before sale or installation, an official transfer issued by the Inspectorate. (3) In the event of any dispute as to whether the material was in the Islands, in transit to the Islands or the subject of an irrevocable order by a person in the Islands on the 10th October 1977, the onus of proof is on the person making the claim.
Modification of requirements	12. (1) If the Inspectorate, upon application being made in writing by any person proposing to make any new installation, alteration or addition to an existing installation, is satisfied that strict compliance with these Regulations would involve expenditure out of proportion to the freedom from electrical hazard

to be secured thereby it may modify them if satisfied that freedom from electrical hazard can be secured in a more convenient manner.

(2) Every such application shall be accompanied by a statement of the reasons why such modification is desired and the nature thereof, and by a statement or opinion by the undertaker as to whether the application is a reasonable one and whether the modification would be safe.

(3) In granting any such modification the Inspectorate shall specify what special work, if any, is required to be done to render the installation free from electrical hazard.

(4) The Inspectorate may, at any time, rescind any modification if satisfied that the electrical hazard has thereby been unduly increased.

13. Where an undertaker changes over from one voltage or system to another, the Governor may, by notice published in the Gazette, make modifications to these Regulations in their application to the reconditioning of installations for the purposes of such change. Changeovers

PART III-General

14. The Governor may, from time to time, by notice in the Gazette, approve methods or types of construction or materials not especially provided for in these Regulations and impose such conditions as appear necessary in that behalf. Approval of other methods

15. (1) The Inspectorate may prohibit the installation and use of any appliance, apparatus, accessory, cable, fitting, machine, switchgear, switchboard, method or type of construction, or material or method of installation which in his opinion constitutes or may constitute an electrical hazard. Prohibited work

(2) The premises of any business or institution which caters for the public or invites public attendance and complexes comprising multiple units must, if wired after 31st. December, 1978, and if capable of accommodating one hundred persons or more at any time, have an all conduit wiring system installed.

(3) Where E.M.T. (Electrical Metallic Tubing) is used there must be a continuous ground wire run in the conduit along with the other conductors.

(4) Where there is more than one metered supply to the same building, the metered circuits belonging to one consumer may not run through any switch or panel board of another consumer unless there is a separate compartment sealed

	off. In the absence of such separate compartment the circuit must run directly in conduit from the meter to the appropriate consumer's panel board.
Device and apparatus which do not comply	16. No person shall manufacture for sale, sell or offer for sale, and no person shall install or cause or permit to be installed or assist in installation on any premises any device or apparatus which does not comply with the requirements or which is not, the character specified by these Regulations in respect of such device or apparatus.
Wiring which does not comply	17. No person shall install, cause or permit to be installed or assist in installing on any premises any wiring which does not comply with the requirements or which is not of the character specified by these Regulations in respect of such wiring.
Methods which do not comply	18. No person shall install, cause or permit to be installed or assist in installing on any premises any device or apparatus or wiring in a manner contrary to these Regulations.
Uses prohibited	<p>19. (1) No person shall use, maintain or cause or permit to be used or maintained on any premises any apparatus, device or wiring-</p> <p>(a) which does not comply with the requirements or which is not of the character specified by these Regulations in respect of such apparatus, device or wiring; or</p> <p>(b) in a manner contrary to these Regulations.</p> <p>(2) No person shall knowingly continue to use, maintain or cause or permit to continue to be used or maintained for or in connection with the supply, distribution or consumption of electrical energy any device or apparatus or wiring or any part of an installation which has ceased to comply with the requirements or to be of the character specified by these Regulations in respect thereof. The Inspectorate, if satisfied that any installation does not comply with these Regulations, shall have the right to call on the undertaker to disconnect such installation.</p> <p>(3) This regulation does not apply to any apparatus, device or wiring installed on any premises prior to the 10th October, 1977 provided it is in use at the premises where so installed and is free from electrical hazard.</p>
Disputes	<p>20. (1) A dispute between a contractor or lineman and an undertaker regarding any technical interpretation or application of these Regulations may be referred to the Inspectorate for adjudication whose decision is final.</p> <p>(2) A consumer to whose premises an undertaker, in compliance with these Regulations, refuses or discontinues a supply of energy who is aggrieved thereby</p>

may apply for his installation to be inspected and tested by the Inspectorate whose decisions are final.

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| 21. No person shall assemble, wire-up or repair any electrical device or apparatus in a manner which contravenes these Regulations. | Assembly and repair |
| 22. If an accident of an electrical nature causes or is likely to cause loss of life the licensee shall give immediate notice thereof to the Chief Secretary and to the Inspectorate. | Reporting of accidents |
| 23. Notices or requisitions required to be served upon the Inspectorate under these Regulations may be so served by being addressed to the Inspectorate and left at, or transmitted through the post to, the Inspectorate at the office of the Public Works Department; and notices required to be served upon an undertaker or other person may be served by being addressed to such undertaker or person and left at, or transmitted through the post to, his last known address. | Service of notices |

PART IV-Penalties

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| 24. The Inspectorate may suspend, cancel or endorse a licence granted upon proof of any technical malpractice, carelessness or other contravention of these Regulations by the licensee. | Breach of regulations |
| 25. The Board of Examiners may suspend or cancel any licence issued by it on grounds by which the Inspectorate can so do under regulation 24. | Suspension of licences |
| 26. Whoever employs an unlicensed person for carrying out electrical installations is guilty of an offence and liable on summary conviction to a fine of five hundred dollars. | Employment of unlicensed electricians |
| 27. Whoever carries out electrical installations when not licensed under these Regulations is guilty of an offence and liable on summary conviction to a fine of five hundred dollars and a penalty of one hundred dollars per day in the event of a continuing offence. | Penal |

Part V-Permits for Wiring Work

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| 28. (1) Save as provided in regulations 41 to 43, no licensee shall, until he has obtained approval from the Inspectorate- | Approvals |
| (a) do any electrical wiring work; or | |

	<ul style="list-style-type: none">(b) connect to any source from which electrical energy is available-<ul style="list-style-type: none">(i) any electrical wiring;(ii) any electrical apparatus for use in any situation where a person touching it may under normal conditions simultaneously make contact with earth or earthed metal; or(iii) electrical apparatus exceeding ten amperes in capacity.
	(2) Applications shall be accompanied by sketch plans and specifications.
	(3) The Inspectorate shall-
1995 Revision	<ul style="list-style-type: none">(a) on receipt of an application to do any electrical wiring work, satisfy itself that any necessary permission to do the work under the Development and Planning Law (1995 Revision) has been obtained; or(b) on receipt of an application to make a connection to any source from which electricity is available, satisfy itself that any necessary permission under the Development and Planning Law (1995 Revision) has been obtained and any condition subject to which that permission was granted has been complied with,
	and shall refuse its approval if that permission has not been obtained or any such condition has not been complied with, as the case may be, but shall otherwise signify its approval or disapproval as soon as possible.
Work to begin within two months of approval	29. (1) Every approval under regulation 28 authorises the execution of the work only on condition that the work is commenced within two calendar months of the approval being granted and, if the work has not commenced within such period, the approval expires.
	(2) The applicant shall inform the Inspectorate of the date on which he intends to commence work.
Validity of approval	30. Every such approval shall be valid for a period not exceeding one year from the date of commencement of the work and the Inspectorate may extend such approval or, if satisfied that the licensee is in breach, may withdraw it.
Only one approval to be in force at a time	31. No approval shall be issued for any work in relation to which a previous approval is in force.
Inspection after completion	32. (1) Persons who have carried out electrical wiring or installation shall, on completion of such work, notify the Inspectorate in writing that the work is completed and that the tests prescribed by regulations 48 to 53 (where applicable) have been satisfied, and request an inspection of the work. Such notice shall

include the signature and registration number of the electrical workman in charge of the work along with a receipt from the Treasury for the appropriate sum paid in accordance with regulation 47.

(2) Inspections are to be made at each floor level and no panels, conduit boxes or other electrical appurtenances may be covered or concealed until they have been approved.

(3) Final inspection is to be made after the work is completed and the premises are ready for use or occupancy.

34. A temporary supply consists of a service head, service mast and meter socket and is to be provided with a rain-tight safety switch, or enclosed circuit breakers with one or more receptacles mounted in a weather proof box situated on a pole or wall. The temporary supply is to be disconnected as soon as a permanent supply has been connected.

Temporary supply

34. The Inspectorate may grant permission for temporary electrical wiring work, and such permission authorises the undertaking of the work referred to therein so that regulations 29 and 31 apply and also authorises the use and maintenance of such work for the period stated in such permit. No permits under this regulation shall be for a period exceeding three months from the date when the work is first connected with the source from which electrical energy is available.

Temporary wiring

35. The period for which any temporary electrical wiring may be used and maintained may, from time to time, be extended by successive permits each for a period not exceeding one month provided that the total period for which such work may be used and maintained does not (except in the case of temporary electrical wiring work used or maintained in connection with a building or works in course of construction) exceed six months from the date when the work was first connected with the source from which electrical energy is available.

Period for temporary wiring

36. Permits issued under regulation 35 may be subject to such written conditions, not in conflict with these Regulations, as the Inspectorate thinks fit to impose.

Conditions for temporary wiring

37. No person shall connect any temporary electrical wiring work with a source from which electrical energy is available until such work has been inspected and approved by an authorised Inspector as having been installed in accordance with these Regulations and with the conditions, if any, set out in the permit.

Connection and inspection of temporary wiring

Expiry of period

38. No person shall continue to use or maintain any temporary electrical wiring work after the expiration of the period authorised by a permit granted under these Regulations.
- Temporary wiring to be removed 39. On the expiration of the period during which any temporary electrical wiring work may lawfully be used and maintained pursuant to a permit granted under these Regulations, the occupier of the premises on which such work is constructed shall forthwith have such work demolished and dismantled.
- Dead and disused wire, etc. 40. All dead or disused conductors, accessories, appliances and apparatus-
- (a) which do not conform to these Regulations, shall either be removed from the building or be rendered useless for electrical purposes to the satisfaction of an authorised Inspector; or
 - (b) which conform to these Regulations shall be maintained free from electrical hazard.
- Emergency repair work 41. In any case of emergency due to a breakdown or other accident, a person licensed to do electrical wiring work may, without first obtaining a permit as required by these Regulations, begin any work necessary to repair or make safe the installation:
- Provided that a person who begins any such work shall apply for a permit to the Inspectorate within forty eight hours after such work begins.
- Undertaker as consumer or contractor 42. Notwithstanding the terms of any licence or any regulation to the contrary, in any case where an undertaker is also the consumer of the electrical energy supplied by such undertaker or is the contractor for any electrical wiring work, unless the Governor directs, these Regulations apply.
- Private plants 43. Where electrical energy is generated upon a consumer's premises or is obtained from a privately owned plant no person shall, until he has obtained written permission from the Inspectorate-
- (a) commence or undertake any electrical wiring work; or
 - (b) connect to any source from which electrical energy is available-
 - (i) any electrical wiring work;
 - (ii) any electrical apparatus intended to be used in any situation where the person touching it, may under normal conditions, simultaneously make contact with earth or earthed metal; or
 - (iii) electrical apparatus exceeding ten amperes in capacity.

PART VI - Inspection and Fees

44. Manholes shall be provided in ceilings to facilitate access to the roof of all buildings for the purpose of inspection. Manholes
45. Traps shall, where practicable, be provided at all inspection fittings and drawn-in boxes, and such traps shall be securely fastened by means of screws. Traps
46. (1) An authorised Inspector may, at any time between 9:00 a.m. and 5:00 p.m. on any day other than a Sunday, upon production of his authority, demand admission to the premises of any consumer for the purpose of ascertaining whether these Regulations have been complied with. Admission to premises
- (2) The consumer shall render such person every reasonable facility for inspecting and testing the installation.
- (3) If a consumer refuses to admit such person during such hours, the undertaker shall, on demand in writing by the Inspectorate, discontinue to supply electrical energy to such consumer.
47. (1) Application for inspection shall be made on the prescribed form and submitted to the Treasury along with the appropriate fee in accordance with the scale set out in sub-regulation (4). Fees
- (2) The application form shall contain details of the installation for which the fee has been paid along with the Treasury receipt number, the full address of the building or premises where the work has been done, the name of the occupier and signature of the licensed electrician who has done the work.
- (3) In the event of an installation failing the test, a new application must be made along with the appropriate fee.

(4) FEES

Description of Equipment

(a)	120-Volt ceiling outlets, double or single convenience outlets, bell transformer capacitors, neon light transformers	Points	1-25	26-100	101-250	251-500	501-1000	
		Fee	\$4	\$5	\$7.50	\$12.50	\$25	
(b)	Temporary supply or temporary lighting points for use over period not exceeding 90 days	Points	1-25	26-100	101-250	250-500	501-1000	
		Fee	\$2	\$2.50	\$3.75	\$6.25	\$12.50	
(c)	Overhead lines	Poles	1-5	5-9	10-50	51-100	over 100	
		Fee	\$2.50	\$5	\$10	\$20	\$40	
(d)	cookers, water heaters, transformers, lighting points, sterilisers, AC lights.	Points	1-9	10-50	51-100	101-250	251-500	501-1000
		Fee	\$5	\$6	\$8	\$13	\$25	\$50
		OR \$1.50 per point when additional to existing installation under inspection						
(e)	Electric motor (in H.P) Elec. generators (in KVA) Elec. rectifiers (in KVA)	Size	Up to 5 H.P.	6-25 H.P.	26-50 H.P.	51-100 H.P.	over 100 H.P.	
		For first three mts for ea. unit	\$3 \$1	\$4 \$1.50	\$5 \$2	\$9 \$3	\$4	
(f)	Transformer other stations	Size	Up to 100 KVA	100-500 KVA	500-1000 KVA	1000-2000 KVA	over 2000 KVA	
		Fee	\$6	\$10	\$15	\$18	\$25	
(g)	Customer s request for inspection	Fee	For each report on and test of an existing installation of electric light or power or voltage recording of 24 hours-\$8 with appropriate mileage charge.					
(h)	Separate meter boards or removal of meter boards or distribution panels.	Fee	Boards supplying not more than two circuits-\$2 per inspection per board or distribution panel. Boards or panels supplying more than two circuits require a fee of 50¢ for each additional circuit emanating from the board or panel.					
(i)	Interim ceiling inspections	Receipts for payment of fees must accompany such requests for interim inspections with appropriate mileage added. Mileage fee only is charged for final inspection.						
(j)	Arbitration in disputes arising between contractor and consumers or other parties	For settling matters in dispute affecting contracts or financial disagreements or other arbitration by personnel of the Inspectorate- a charge of \$3 per hour.						
(k)	For testing electric meters	\$4.20						
(l)	For the examination of- Electrical engineer Master electrician Electrician Lineman	\$25						
		\$25						
		\$10						
		\$10						
(m)	For registration- Electrical engineer Master electrician Electrician Lineman	\$150						
		\$100						
		\$50						
		\$50						

(n)	For renewal of registration of licence- Electrical engineer Master electrician Electrician Lineman Lineman	\$150 \$100 \$50 \$50
(o)	Technical services not especially mentioned above	\$4.20 per hour or \$21 per day with a minimum charge of \$4.20.
(p)	Out of town	25¢ per mile for inspection, originating from the Post Office at George Town. Two or more inspections to be carried out for the same electrical contractor on the same premises under one mile apart are only subject to one mileage fee, distance being considered to the farthest point and measured along the route. Only one mileage charge shall be made for each premises inspected at one time.

PART VII-Testing

48. On completion of every wiring work or installation there shall be carried out the following insulation resistance tests with a direct current voltage in each case of not less than twice the voltage to which the circuits will normally be subject, provided that in the case of medium voltage (250v to 650v) circuits, the test voltage need not exceed 500 volts-

Testing of installations, etc.

- (a) where a test is desired of the permanent wiring before any fitting, accessories, appliances or lamps are installed, the conductors shall be connected together so as to ensure that all parts of every circuit are simultaneously tested; the test shall be made between conductors as a whole and ground:

Provided that such test shall be deemed to be satisfied if the insulation resistance is not less in megohms than the result of dividing the number 100 by the outlets (points and switch positions) from the fixed wiring;

- (b) (i) a test of the completed installation or an addition to or alteration of an existing installation with all fuse-links in place, all switches in the 'on' position (including the main switch, if practicable) and all lamps in position; the test shall be made between conductors as a whole and ground:

Provided that such test shall be deemed to be satisfied if the insulation resistance is not less in megohms than the result of dividing the number 50 by the number of outlets (points and switch positions) from the fixed wiring;

- (ii) control rheostats, heating, cooking and power appliances and outdoor electric signs may be disconnected from the circuits during the test, in which case the insulation resistance between the case or frame-work and all live parts of each such rheostat, appliance and sign shall be tested:

Provided that such test shall be deemed to be satisfied if the insulation resistance is not less than half megohm;

- (c) where a whole installation is being tested a lower value than that given by the formula above subject to a minimum of two megohms is acceptable; and
- (d) where practicable there shall be a test between conductors:

Provided that such test shall be deemed to be satisfactory if the insulation resistance is not less than two megohms.

Continuity

49. There shall be the following continuity tests of every wiring installation-

- (a) a test between the connection to ground and any other part of the completed installation in all cases where metal conduits, metallic sheathed cables or armoured cables which have no other metallic sheath are used; and
- (b) a test between the connection to ground and any part of any grounding lead:

Provided that each such test shall be deemed to be satisfied if the electrical resistance of such conduit sheathing or grounding-lead does not exceed two ohms.

Position of s.p. switches

50. A test shall be made on every wiring installation to verify that no single pole switch or circuit-breaker has been fitted in any neutral conductor or ground conductor and, in the case of a non-grounded two-wire system, that every such switch or circuit-breaker is fitted in the same conductor throughout. This test shall not apply to a switch mounted on a portable appliance or to ground leakage circuit-breakers.

Non-reversible plug sockets

51. A test shall be made of every two-pin non-reversible type plug socket and every three-pin plug socket to verify that the conductors have been connected in accordance with the appropriate provisions of the N.E.C.

Ground resistance tests

52. Ground resistance tests will be made in accordance with the appropriate provisions of the N.E.C.

Moulded insulation

53. All moulded insulating material shall be capable of withstanding the tests prescribed by the appropriate current edition of the British Standard Specification or equivalent standard.

PART VIII-Certification

54. (1) After having inspected any electrical wiring work or installation the authorised Inspector, if satisfied that the work has been carried out in accordance with these Regulations, shall certify in writing to the undertaker, or, where there is no such undertaker, then to the party responsible for the supply of electrical energy, that he has duly inspected such work and that the tests are satisfactory, and that to the best of his knowledge and belief the installation may be safely connected with the source from which electrical energy is available. Any authorised Inspector shall, at all times, have the right to inspect and test any electrical installation at his discretion.

Issue of certificate

(2) Nothing in any such certificate shall relieve the owner or occupier of any premises from the obligation to bring any installation into conformity with these Regulations if, on any subsequent inspection, any defects are discovered which render such installation electrically hazardous.

(3) Any certificate issued under sub-regulation (1) shall be delivered only to the undertaker for the area concerned or to the party responsible for the supply of electrical energy, as the case may be, and shall, in no event, be handed or delivered to any other person or body.

55. (1) Notwithstanding anything to the contrary in this Part, the Inspectorate may, in case of urgency, issue a permit authorising an installation to be temporarily connected with the source from which electrical energy is available notwithstanding that any one or more of the hereinbefore prescribed insulation resistance tests have not been satisfied:

Special connections

Provided that no such permit shall be granted unless the installation otherwise generally complies with these Regulations and is in the opinion of an authorised Inspector to be reasonably free from electrical hazard; such permit shall be subject to the conditions set out in regulations 35 to 37.

(2) On the expiration of the period or extended period for which temporary connection has been so authorised the installation shall be disconnected from the source from which electrical energy is available unless, before such expiration, an authorised Inspector has issued his certificate pursuant to regulation 54(1).

PART IX-Licensing of Electrical Employees

Qualification of licensees	<p>56. (1) Every person requiring a licence authorising him to carry out electrical work of any nature shall make application for such a licence in writing to the Board of Examiners. Such application shall set out in full the name, age and address of the applicant, where he acquired his experience and the length of his experience together with satisfactory references as to his character and a receipt from the Treasury for the fee as required in regulation 47(4)(1). The Board of Examiners, on being satisfied of the applicant's qualifications and fitness for a licence under these Regulations, shall issue a licence to such applicant.</p> <p>(2) The Board of Examiners is composed of a chairman and not more than four or less than two other members appointed by the Governor from time to time from among suitable persons, one of whom shall be the Chief Electrical Inspector. Members will hold office at the pleasure of the Governor and, save in the case of persons in the Civil Service, may be remunerated from funds provided by the Legislative Assembly.</p>
Duration of licences	<p>57. Every licence shall expire on the 31st of December next after the date of issue and the fee shall abate proportionately in respect of licences first taken out after the month of March in any year upon a quarterly basis, part of a quarter counting as a full quarter. No abatement is allowable upon renewal of a licence expiring on the 31st December in the previous year.</p>
Work undertaken to be in accordance with licence	<p>58. No person shall carry out electrical work of any nature unless he is the holder of a licence. The type of work he shall execute being determined according to his licence.</p>
Trading and supervision by non-licensees prohibited	<p>59. No person shall trade as an electrical contractor of any nature or employ staff for any such work unless he holds an appropriate licence.</p>
Categories of licences	<p>60. (1) Except as provided in regulation 61, every person carrying out electrical work shall be licensed in one of the following categories-</p> <ul style="list-style-type: none">(a) electrical engineer;(b) master electrician;(c) electrician; or(d) lineman. <p>(2) (a) Qualification for an electrical engineer is corporate membership of the Institution of Electrical Engineers, or any other similar institution approved by the Board of Examiners, with five years'</p>

experience in the field of electrical engineering plus three years' subsequent experience in a position of responsibility.

- (b) Qualification for a master electrician is either a sub-professional qualification approved by the Board of Examiners and in addition or alternatively to, at the discretion of the Board, a candidate may be required to provide-
 - (i) evidence of supervisory experience to the satisfaction of the Board;
 - (ii) evidence of experience in estimating quantities and costs of electrical installation materials; and
 - (iii) evidence of experience in designing wiring installations in buildings to the specifications of engineers or architects.

(3) Persons not qualified as required for an electrical engineer's or master electrician's licence may place a submission before the Board of Examiners seeking a licence on grounds of experience and superior responsibility within the profession and the Board may, at its discretion, grant such licence.

(4) Qualification for such an electrician's licence is a pass in the Electricians Trade Test which will be carried out by the Board of Examiners in accordance with a syllabus which will be published, from time to time, in the Gazette. In addition to passing the Trade Test the applicant will be required to satisfy the Board that he is familiar with the Law and these Regulations; but persons who satisfy the Board that during the two years immediately prior to the 10th October, 1977 they have worked as electricians in the Islands shall be exempted from such Trade Test but will be required to satisfy the Board that they are familiar with the Law and Regulations:

Provided that, notwithstanding sub-regulation (5), a person shall not be eligible to take the Electricians Trade Test unless-

- (a) he possesses Caymanian status or is a permanent resident of the Islands with a right to work in the Islands;
- (b) he is the spouse of a person possessing Caymanian status, who satisfies the Board that he has two years practical experience as an electrician; or
- (c) he furnishes documentary evidence that he already possesses a licence which, in the opinion of the Board, has been issued outside the Islands by a body requiring equivalent standards to those required in the Islands.

(5) Exemption from the Trade Test may be granted at the discretion of the Board of Examiners provided that the applicant furnishes documentary evidence

that he already possesses a licence which, in the opinion of the Board, has been issued by a statutory body requiring equivalent standards.

(6) A lineman may carry out work on power, telephone, wireless or television pole lines or masts and associated fittings with conductors attached thereto, providing that at all times he shall be in the employment of a licensed electrical engineer and working under the said engineer's direct instructions.

(7) Qualifications for such licenses shall be by approval of the Board of Examiners who, at their discretion, may grant a licence to the applicant providing they are satisfied with-

- (a) his past experience as a lineman or trainee lineman for a continuous period of employment of at least three years;
- (b) his knowledge of line erection, line maintenance and elementary electrical principles; and
- (c) his knowledge of safety precautions.

(8) The Board of Examiners may, at their discretion, grant a total exemption from examination provided that the applicant has had at least seven years' experience of continuous employment, has held a senior grade position in overhead linework and furnishes a letter of support from a qualified electrical engineer.

Work teams licensees

61. Electrical work may be carried out only by licensed electrical workmen, each of whom may be assisted by one apprentice or university or technical college student and one unlicensed workman.

Supervision by licensees essential

62. The apprentice, student or unlicensed workman shall, at all times, work under the supervision of and in the presence of a licensed electrician or licensed electrical engineer.

Students

63. The student must be taking a prescribed course of engineering at a university or technical college.

Unauthorised work to be stopped

64. Regulation 61 requires that any work undertaken by persons other than those described shall be stopped until the required number of licensed workmen are engaged.

PART X-Miscellaneous

65. The N.E.C. shall, subject to any modifications contained in regulations 66 to 69 and to any regulations made by the Governor in Council, from time to time, apply to the Islands. Application of the U S N.E.C.
66. Notwithstanding anything to the contrary contained in the N.E.C. no cable other than armoured cable or P.V.C/S.W.I.A./P.V.C. cable may be buried directly in the ground. Buried cable
67. The use of aluminium conductor cable will not be permitted without special permission from the Inspectorate, and under no circumstances will be permitted for internal fixed wiring. Aluminium cable
68. Conductors manufactured in accordance with British Standards may be substituted for U.S. Standard Conductors in the N.E.C. in accordance with the following correlation table. British Standards
69. All circuits in any installation shall be coloured in accordance with the following colour code- Colour code

Single Phase

Black	Live
White	Neutral
Green, or green with one or more yellow stripes	Ground

Three Phase

Red	Phase A
Blue	Phase B
Black	Phase C
White or gray	Neutral
Green, or green with one or more yellow stripes	Ground

SECOND SCHEDULE**Ambient Temperature Correlation Factors**

Wire type	25°C	35°C	(104°F) 40°C	(113°F) 45°C	(122°F) 50°C	(131°F) 55°C	60°C	65°C
Type TW	-	-	.82	.71	.58	.41	-	-
Type THW	-	-	.88	.81	.75	.67	.58	-
Type THHN	-	-	.90	.85	.80	.74	.67	.52
UK metric	1.06	.94	.87	.79	.71	.61	.5	.35
UK imperial	1.13	.86	.69	.47	-	-	-	-

THIRD SCHEDULE

Amendments to N.E.C.

Page 70-11	<p style="text-align: center;">Chapter I</p> <p style="text-align: center;">Article 100-Definitions</p> <p>Delete the definition of “Qualified person” and substitute- “Qualified person. An electrical engineer or electrician licensed under the Electricity Law (1997 Revision).”.</p>
<p>Section 210-19(b)</p> <p>215-2-(b)</p> <p>230-41-(b)-(3)</p> <p>230-43</p>	<p style="text-align: center;">Chapter 2</p> <p style="text-align: center;">Wiring Design & Protection</p> <p>Delete “No. 8” in last line of first paragraph and substitute- “No. 6”.</p> <p>Delete subsection and substitute- “The feeder conductor shall not be less than No.4 AWG”.</p> <p>Delete this subsection.</p> <p>Add the following paragraph- “Where PVC conduit is used it shall be schedule 80 PVC and where conduit is laid on a rock surface it shall be protected by covering it with a minimum of two inches of concrete, otherwise the conduit shall be buried to a minimum depth of 1’6”. Where such conduit is attached to a pole it shall be protected by a metal covering or enclosed in an additional larger diameter PVC pipe, over the first four feet from ground level, as a protection against accidental damage.”.</p>

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Carmena H. Parsons
Clerk of Executive Council