

Administrative Procedures – Final Proposed Rule Filing

Instructions:

In accordance with Title 3 Chapter 25 of the Vermont Statutes Annotated and the “Rule on Rulemaking” adopted by the Office of the Secretary of State, this filing will be considered complete upon filing and acceptance of these forms with the Office of the Secretary of State, and the Legislative Committee on Administrative Rules.

All forms requiring a signature shall be original signatures of the appropriate adopting authority or authorized person, and all filings are to be submitted at the Office of the Secretary of State, no later than 3:30 pm on the last scheduled day of the work week.

The data provided in text areas of these forms will be used to generate a notice of rulemaking in the portal of “Proposed Rule Postings” online, and the newspapers of record if the rule is marked for publication. Publication of notices will be charged back to the promulgating agency.

**PLEASE REMOVE ANY COVERSHEET OR FORM NOT
REQUIRED WITH THE CURRENT FILING BEFORE DELIVERY!**

Certification Statement: As the adopting Authority of this rule (see 3 V.S.A. § 801 (b) (11) for a definition), I approve the contents of this filing entitled:

Electrical Safety Rules - 2020

_____/s/ John Black_____, on 2/8/2022
(signature) (date)

Printed Name and Title:

John Black, Chair

Vermont Electricians' Licensing Board

RECEIVED BY: _____

- Coversheet
- Adopting Page
- Economic Impact Analysis
- Environmental Impact Analysis
- Strategy for Maximizing Public Input
- Scientific Information Statement (if applicable)
- Incorporated by Reference Statement (if applicable)
- Clean text of the rule (Amended text without annotation)
- Annotated text (Clearly marking changes from previous rule)
- ICAR Minutes
- Copy of Comments
- Responsiveness Summary

Final Proposed Coversheet

1. TITLE OF RULE FILING:

Electrical Safety Rules - 2020

2. PROPOSED NUMBER ASSIGNED BY THE SECRETARY OF STATE

21P-040

3. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

4. PRIMARY CONTACT PERSON:

(A PERSON WHO IS ABLE TO ANSWER QUESTIONS ABOUT THE CONTENT OF THE RULE).

Name: John Black, Chief Electrical Inspector

Agency: Division of Fire Safety - Department of Public Safety

Mailing Address: 1311 US Route 302, Suite 500, Barre, VT 05641

Telephone: 802 479 - 7576 Fax: 802 479 - 4446

E-Mail: john.black@vermont.gov

Web URL *(WHERE THE RULE WILL BE POSTED)*:

<https://firesafety.vermont.gov/>

5. SECONDARY CONTACT PERSON:

(A SPECIFIC PERSON FROM WHOM COPIES OF FILINGS MAY BE REQUESTED OR WHO MAY ANSWER QUESTIONS ABOUT FORMS SUBMITTED FOR FILING IF DIFFERENT FROM THE PRIMARY CONTACT PERSON).

Name: Robert Sponable, Deputy Director

Agency: Division of Fire Safety - Department of Public Safety

Mailing Address: 1311 US Route 302, Suite 600, Barre, VT 05641

Telephone: 802 479 - 7566 Fax: 802 479 - 7562

E-Mail: robert.sponable@vermont.gov

6. RECORDS EXEMPTION INCLUDED WITHIN RULE:

(DOES THE RULE CONTAIN ANY PROVISION DESIGNATING INFORMATION AS CONFIDENTIAL; LIMITING ITS PUBLIC RELEASE; OR OTHERWISE EXEMPTING IT FROM INSPECTION AND COPYING?) No

IF YES, CITE THE STATUTORY AUTHORITY FOR THE EXEMPTION:

PLEASE SUMMARIZE THE REASON FOR THE EXEMPTION:

7. LEGAL AUTHORITY / ENABLING LEGISLATION:

(THE SPECIFIC STATUTORY OR LEGAL CITATION FROM SESSION LAW INDICATING WHO THE ADOPTING ENTITY IS AND THUS WHO THE SIGNATORY SHOULD BE. THIS SHOULD BE A SPECIFIC CITATION NOT A CHAPTER CITATION).

26 V.S.A. § 891

8. EXPLANATION OF HOW THE RULE IS WITHIN THE AUTHORITY OF THE AGENCY:

The Electricians' Licensing Board may, pursuant to the provisions of 3 V.S.A. chapter 25 (Administrative Procedure Act), make and revise such electrical rules as necessary for the protection of public safety.

9. THE FILING HAS CHANGED SINCE THE FILING OF THE PROPOSED RULE.

10. THE AGENCY HAS INCLUDED WITH THIS FILING A LETTER EXPLAINING IN DETAIL WHAT CHANGES WERE MADE, CITING CHAPTER AND SECTION WHERE APPLICABLE.

11. SUBSTANTIAL ARGUMENTS AND CONSIDERATIONS WERE RAISED FOR OR AGAINST THE ORIGINAL PROPOSAL.

12. THE AGENCY HAS NOT INCLUDED COPIES OF ALL WRITTEN SUBMISSIONS AND SYNOPSES OF ORAL COMMENTS RECEIVED.

13. THE AGENCY HAS INCLUDED A LETTER EXPLAINING IN DETAIL THE REASONS FOR THE AGENCY'S DECISION TO REJECT OR ADOPT THEM.

14. CONCISE SUMMARY (150 WORDS OR LESS):

The Proposed Vermont Electrical Safety Rules will update the technical codes and standards, including the adoption of the 2020 edition of the National Electrical Code (N.E.C.) also known as the National Fire Protection Association (NFPA) 70. This will better coordinate the license examination with the state apprenticeship program, establishes an expiration date for a permit and a process for refunding permit fees. The rules also provide requirements for filing an electrical work notice, inspection and energizing procedures, details powers of enforcement and licensing disciplinary procedure.

15. EXPLANATION OF WHY THE RULE IS NECESSARY:

Final Proposed Coversheet

The N.E.C. is the code used nationwide in the electrical industry and is reviewed and updated on a three year basis. The periodic updating of the Vermont Electrical Safety Rules and the National Electrical Code is necessary to be consistent with other state regulations and national codes and recognize new technology. These rules are necessary to assist in maintaining a safe working and living environment that may be threatened by potential unsafe electrical installations and practices.

16. EXPLANATION OF HOW THE RULE IS NOT ARBITRARY:

This rule does not single out any one entity. This rule applies a fair and unbiased application of the Vermont Electrical Sa ty Rules to all entities the St e of Vermont that are subject to the application of the electrical code. The National Electrical Code(NEC)is widely used and recognized throughout the United States.

17. LIST OF PEOPLE, ENTERPRISES AND GOVERNMENT ENTITIES AFFECTED BY THIS RULE:

The fire service, building owners and the public are generally affected by this rule by the reduction of fires and shock hazards. State and municipal government entities that own or operate buildings are affected by this rule in the same manner as private building owners. The updated code will assist electricians, engineers and architects with the purchase, specification, design and installation of electrical work. Owner occupied, single family dwellings and working farms are not affected by the rule.

18. BRIEF SUMMARY OF ECONOMIC IMPACT (150 WORDS OR LESS):

Updating the Vermont Electrical Safety Rules to include the most recent editions of the codes and standards will simplify electrical installation work and recognize new technology. These rule are not significantly different from the 2017 rules. Where rule changes have been made to improve public safety, though there has not been a significant increase in cost for electrical installation work, availability of components and materials may be a driver of increased costs. Changes have been made to the rules to reduce

Final Proposed Coversheet

costs where there is not an adverse effect.

Electricians and others who work in the trade will need to purchase a 2020 N.E.C. at the cost of \$113.50.

19. A HEARING WAS HELD.

20. HEARING INFORMATION

(THE FIRST HEARING SHALL BE NO SOONER THAN 30 DAYS FOLLOWING THE POSTING OF NOTICES ONLINE).

IF THIS FORM IS INSUFFICIENT TO LIST THE INFORMATION FOR EACH HEARING PLEASE ATTACH A SEPARATE SHEET TO COMPLETE THE HEARING INFORMATION.

Date: 1/26/2022

Time: 09:00 AM

Street Address: Public Safety Headquarters - Lab Conference Room, 45 State Drive, Waterbury, VT

Zip Code: 05671

Date:

Time: AM

Street Address:

Zip Code:

Date:

Time: AM

Street Address:

Zip Code:

Date:

Time: AM

Street Address:

Zip Code:

21. DEADLINE FOR COMMENT (NO EARLIER THAN 7 DAYS FOLLOWING LAST HEARING):

2/2/2022

KEYWORDS (PLEASE PROVIDE AT LEAST 3 KEYWORDS OR PHRASES TO AID IN THE SEARCHABILITY OF THE RULE NOTICE ONLINE).

Electrical

License

Inspection

Final Proposed Coversheet

Heating System

National Electrical Code, N.E.C.

National Fire Protection Association, N.F.P.A.





Department of Public Safety

Division of Fire Safety

Central Administrative Office

45 State Drive

Waterbury, VT 05671

Firesafety.vermont.gov

(phone) (802)479-7561

(fax) (802) 479-7562

February 17, 2022

To: James Condos, Secretary of State
Mark McDonald, Senator – LCAR Chair

RE: 2020 Electrical Safety Rules

This letter is to advise of changes made to the original submittal.

In Section 5, language changes have been made to better clarify the intent and purpose of the rule. These changes encompass information that was gathered during the public input portion of the rule's adoption process.

210.8 (A) Dwelling Units. All 125-volt through 250-volt receptacles installed in the locations specified in 210.8(A) (1) through (A) (11) and supplied by single-phase branch circuits rated 150 volts or less to ground shall have ground-fault circuit-interrupter protection for personnel

210.8(B) Other than Dwelling Units. All 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150 volts or less to ground. 50 amperes or less, and all receptacles supplied by three-phase branch circuits rated 150 volts or less to ground, 100 ampere or less, installed in the locations specified in 210.8(B)(1) through (B)(12) shall have ground fault circuit-interrupter protection for personnel.

Reason for change. Many appliances are experiencing nuisance tripping. This change will give the industry time to correct the programming of the GFCI overcurrent devices.

Cost associated with the change. This change will produce a cost saving of \$100 to \$500 per project and is based on equipment costs and availability issue.

We also made numerous updates, throughout the rules document, to reflect address changes of our Central and Waterbury (old Barre) Offices.

For the Division of Fire Safety,

Robert Sponable, Deputy Director – Division of Fire Safety
John Black, Chief Electrical Inspector/Chair of the Vermont Electricians Licensing Board



Administrative Procedures – Adopting Page

Instructions:

This form must accompany each filing made during the rulemaking process:

Note: To satisfy the requirement for an annotated text, an agency must submit the entire rule in annotated form with proposed and final proposed filings. Filing an annotated paragraph or page of a larger rule is not sufficient. Annotation must clearly show the changes to the rule.

When possible, the agency shall file the annotated text, using the appropriate page or pages from the Code of Vermont Rules as a basis for the annotated version. New rules need not be accompanied by an annotated text.

1. TITLE OF RULE FILING:

Electrical Safety Rules - 2020

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. TYPE OF FILING (*PLEASE CHOOSE THE TYPE OF FILING FROM THE DROPDOWN MENU BASED ON THE DEFINITIONS PROVIDED BELOW*):

- **AMENDMENT** - Any change to an already existing rule, even if it is a complete rewrite of the rule, it is considered an amendment as long as the rule is replaced with other text.
- **NEW RULE** - A rule that did not previously exist even under a different name.
- **REPEAL** - The removal of a rule in its entirety, without replacing it with other text.

This filing is **AN AMENDMENT OF AN EXISTING RULE** .

4. LAST ADOPTED (*PLEASE PROVIDE THE SOS LOG#, TITLE AND EFFECTIVE DATE OF THE LAST ADOPTION FOR THE EXISTING RULE*):

Vermont Electrical Safety Rules - 2017 effective
10/1/2017 SOS Log# 17-056



State of Vermont
Agency of Administration
109 State Street
Montpelier, VT 05609-0201
www.aoa.vermont.gov

[phone] 802-828-3322
[fax] 802-828-3320

Office of the Secretary

INTERAGENCY COMMITTEE ON ADMINISTRATIVE RULES (ICAR) MINUTES

Meeting Date/Location: June 14, 2021, Microsoft Teams Virtual Meeting

Members Present: Chair Kristin Clouser, Diane Bothfeld, Jennifer Mojo, Matt Langham, Diane Sherman, Clare O'Shaughnessy and John Kessler

Members Absent: Ashley Berliner, Dirk Anderson

Minutes By: Melissa Mazza-Paquette

- 2:01 p.m. meeting called to order, welcome and introductions.
- Review and approval of minutes from the May 10, 2021 meeting.
- No additions/deletions to agenda. Agenda approved as drafted.
- No public comments made.
- Presentation of Proposed Rules on pages 2-6 to follow:
 1. Allocation and Apportionment of Vermont Net Income By Corporations, Department of Taxes, page 2
 2. Electrical Safety Rules – 2020, Vermont Electricians' Licensing Board, page 3
 3. Rule 8.000: Data Submission, Green Mountain Care Board, page 4
 4. Rule 9.000: Data Release, Green Mountain Care Board, page 5
 5. Vermont Hazardous Waste Management Regulations, Agency of Natural Resources, page 6
- Next scheduled meeting is July 12, 2021 at 2:00 p.m. via Microsoft Teams.
- 3:45 p.m. meeting adjourned.



Proposed Rule: Electrical Safety Rules – 2020, Vermont Electricians' Licensing Board

Presented By: Robert Sponable

Motion made to accept the rule by Diane Bothfeld, seconded by Jennifer Mojo, and passed unanimously with the following recommendations:

1. Proposed Rule Coversheet, #12: Be more descriptive in the third sentence. Explain the difference or be consistent with pricing throughout as it lists \$113 in #5 of the Incorporation by Reference.
2. Proposed Rule Coversheet, #13-15: A hearing is recommended. Complete and be consistent with the Public Input Form.
3. Economic Impact Analysis, #9: Include reasonings and analysis to describe what's been done.
4. Environmental Impact Analysis, #9: Change 'provide' to 'cause'.
5. Public Input, #3: Include public engagement and plan for outreach.
6. Public Input, #4: Add website address. Include a comparison of changes from 2017 to 2020. Include hearing information once date is selected.
7. Proposed Rule, #10(b), Page 14: Change 'TBD' to the date once known.



Administrative Procedures – Economic Impact Analysis

Instructions:

In completing the economic impact analysis, an agency analyzes and evaluates the anticipated costs and benefits to be expected from adoption of the rule; estimates the costs and benefits for each category of people enterprises and government entities affected by the rule; compares alternatives to adopting the rule; and explains their analysis concluding that rulemaking is the most appropriate method of achieving the regulatory purpose.

Rules affecting or regulating schools or school districts must include cost implications to local school districts and taxpayers in the impact statement, a clear statement of associated costs, and consideration of alternatives to the rule to reduce or ameliorate costs to local school districts while still achieving the objectives of the rule (see 3 V.S.A. § 832b for details).

Rules affecting small businesses (excluding impacts incidental to the purchase and payment of goods and services by the State or an agency thereof), must include ways that a business can reduce the cost or burden of compliance or an explanation of why the agency determines that such evaluation isn't appropriate, and an evaluation of creative, innovative or flexible methods of compliance that would not significantly impair the effectiveness of the rule or increase the risk to the health, safety, or welfare of the public or those affected by the rule.

1. TITLE OF RULE FILING:

Electrical Safety Rules - 2020

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. CATEGORY OF AFFECTED PARTIES:

LIST CATEGORIES OF PEOPLE, ENTERPRISES, AND GOVERNMENTAL ENTITIES POTENTIALLY AFFECTED BY THE ADOPTION OF THIS RULE AND THE ESTIMATED COSTS AND BENEFITS ANTICIPATED:

The fire service, building owners and public are generally affected by this rule by reducing the events of fire and shock hazards. State and municipal government entities that own or operate buildings are affected by this rule in the same manner as private building owners. The updated rule (code) will assist electricians, engineers and architects with the purchase, specification, design and installation of

Economic Impact Analysis

electrical work components. Owner occupied, single family dwellings and most working farms are not affected by the rule. The adoption of the 2020 N.E.C. is consistent with other states and electrical manufacturers. Improved consistency results in cost savings by avoiding costly change orders or retrofits. Electricians, or others who work in the trade, will need to purchase the 2020 edition of the N.E.C. Most electricians, or others who work in the trade, will not need to purchase the other adopted codes unless they work in those specialized areas. From a practical standpoint, many electricians purchase the most recent code edition as soon as it's published and available.

4. IMPACT ON SCHOOLS:

INDICATE ANY IMPACT THAT THE RULE WILL HAVE ON PUBLIC EDUCATION, PUBLIC SCHOOLS, LOCAL SCHOOL DISTRICTS AND/OR TAXPAYERS CLEARLY STATING ANY ASSOCIATED COSTS:

Electrical installation work in schools would be affected the same as for any commercial/public building.

5. ALTERNATIVES: *CONSIDERATION OF ALTERNATIVES TO THE RULE TO REDUCE OR AMELIORATE COSTS TO LOCAL SCHOOL DISTRICTS WHILE STILL ACHIEVING THE OBJECTIVE OF THE RULE.*

Any alternative would increase the risk to the safety of the public as addressed in 3 V.S.A. section 832a.

6. IMPACT ON SMALL BUSINESSES:

INDICATE ANY IMPACT THAT THE RULE WILL HAVE ON SMALL BUSINESSES (EXCLUDING IMPACTS INCIDENTAL TO THE PURCHASE AND PAYMENT OF GOODS AND SERVICES BY THE STATE OR AN AGENCY THEREOF):

Having no safety requirements for electrical installation work for small business would place people at risk from electrical shock and fire hazards. The national standards being adopted do have some requirements that are based on the size and use of a building being used as a small business. For example, a small restaurant seating less than 30 people would not have to use the same wiring method and materials for an electrical installation that a restaurant seating 130 people would have to use. The overall impact is minimal.

Economic Impact Analysis

7. **SMALL BUSINESS COMPLIANCE:** *EXPLAIN WAYS A BUSINESS CAN REDUCE THE COST/BURDEN OF COMPLIANCE OR AN EXPLANATION OF WHY THE AGENCY DETERMINES THAT SUCH EVALUATION ISN'T APPROPRIATE.*

The cost of compliance for a small business will have minimal impact.

8. **COMPARISON:**

COMPARE THE IMPACT OF THE RULE WITH THE ECONOMIC IMPACT OF OTHER ALTERNATIVES TO THE RULE, INCLUDING NO RULE ON THE SUBJECT OR A RULE HAVING SEPARATE REQUIREMENTS FOR SMALL BUSINESS:

There really is no alternative means and having no safety requirements for electrical installation work for small business would place people at risk from electrical shock and buildings from the impact of fire hazards. No oversight or required standards could result in poor or unsafe electrical installations that could result in the loss of life and/or catastrophic property damage.

9. **SUFFICIENCY:** *EXPLAIN THE SUFFICIENCY OF THIS ECONOMIC IMPACT ANALYSIS.*

These rules will have a minimal economic impact to small business operations and their everyday functionality. The general cost of electrical work projects will be based on labor costs and component and material costs. Labor costs should remain consistent with current and regional trends and component and material costs may vary based on availability, shipping costs and delays created by supply chain issues.

Administrative Procedures – Environmental Impact Analysis

Instructions:

In completing the environmental impact analysis, an agency analyzes and evaluates the anticipated environmental impacts (positive or negative) to be expected from adoption of the rule; compares alternatives to adopting the rule; explains the sufficiency of the environmental impact analysis.

Examples of Environmental Impacts include but are not limited to:

- Impacts on the emission of greenhouse gases
- Impacts on the discharge of pollutants to water
- Impacts on the arability of land
- Impacts on the climate
- Impacts on the flow of water
- Impacts on recreation
- Or other environmental impacts

1. TITLE OF RULE FILING:

Electrical Safety Rules - 2020

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. GREENHOUSE GAS: *EXPLAIN HOW THE RULE IMPACTS THE EMISSION OF GREENHOUSE GASES (E.G. TRANSPORTATION OF PEOPLE OR GOODS; BUILDING INFRASTRUCTURE; LAND USE AND DEVELOPMENT, WASTE GENERATION, ETC.):*
No impact from this rule.

4. WATER: *EXPLAIN HOW THE RULE IMPACTS WATER (E.G. DISCHARGE / ELIMINATION OF POLLUTION INTO VERMONT WATERS, THE FLOW OF WATER IN THE STATE, WATER QUALITY ETC.):*
No impact from this rule.

5. LAND: *EXPLAIN HOW THE RULE IMPACTS LAND (E.G. IMPACTS ON FORESTRY, AGRICULTURE ETC.):*
No impact from this rule.

6. RECREATION: *EXPLAIN HOW THE RULE IMPACT RECREATION IN THE STATE:*
No impact from this rule.

7. CLIMATE: *EXPLAIN HOW THE RULE IMPACTS THE CLIMATE IN THE STATE:*
No impact from this rule.

Environmental Impact Analysis

8. OTHER: *EXPLAIN HOW THE RULE IMPACT OTHER ASPECTS OF VERMONT'S ENVIRONMENT:*

No impact from this rule.

9. SUFFICIENCY: *EXPLAIN THE SUFFICIENCY OF THIS ENVIRONMENTAL IMPACT ANALYSIS.*

These rules should cause no environmental impact.

Administrative Procedures – Public Input

Instructions:

In completing the public input statement, an agency describes the strategy prescribed by ICAR to maximize public input, what it did do, or will do to comply with that plan to maximize the involvement of the public in the development of the rule.

This form must accompany each filing made during the rulemaking process:

1. TITLE OF RULE FILING:

Electrical Safety Rules - 2020

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. PLEASE DESCRIBE THE STRATEGY PRESCRIBED BY ICAR TO MAXIMIZE PUBLIC INVOLVEMENT IN THE DEVELOPMENT OF THE PROPOSED RULE:

During the drafting of these proposed rules, the Electricians' Licensing Board heard comments from affected parties. The proposed rules will be posted on the Department web page at (www.firesafety.vermont.gov) In addition, public hearing information will be delivered through the Division's various social media outlets.

4. PLEASE LIST THE STEPS THAT HAVE BEEN OR WILL BE TAKEN TO COMPLY WITH THAT STRATEGY:

This rule, including the updated N.E.C. code, has been reviewed at the meetings of the Electricians' Licensing Board, as well as state and local municipal inspectors. Information on this rule change will be posted on the Division of Fire Safety's website www.firesafety.vermont.gov, and distributed to stakeholders by electronic means. The public hearing will include the opportunity to participate via phone, in person and by electronic means (Teams or Zoom).

5. BEYOND GENERAL ADVERTISEMENTS, PLEASE LIST THE PEOPLE AND ORGANIZATIONS THAT HAVE BEEN OR WILL BE INVOLVED IN THE DEVELOPMENT OF THE PROPOSED RULE:

Public Input

Members of the Electricians' Licensing Board represent the insurance industry, electrical utilities, Master and Journeyman electricians, as well as the Division of Fire Safety - Department of Public Safety. State and municipal electrical inspectors, the American Institute of Architects, International Code Council - Building Electrical Inspectors, International Brotherhood of Electrical Workers - Local 300, Vermont Homebuilders and Remodelers Association of Vermont, Independent Electrical Contractors Association, Vermont Technical College (Technology Extension Division), Vermont Department of Labor (State Apprenticeship Council), the State Department of Buildings & General Services have been or will be involved in the development of this rule.

Administrative Procedures – Scientific Information

THIS FORM IS ONLY REQUIRED WHEN INCORPORATING MATERIALS BY REFERENCE. PLEASE REMOVE PRIOR TO DELIVERY IF IT DOES NOT APPLY TO THIS RULE FILING:

Instructions:

In completing the Scientific Information Statement, an agency shall provide a brief summary of the scientific information including reference to any scientific studies upon which the proposed rule is based, for the purpose of validity.

1. TITLE OF RULE FILING:

Electrical Safety Rules - 2020

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. BRIEF EXPLANATION OF SCIENTIFIC INFORMATION:

4. CITATION OF SOURCE DOCUMENTATION OF SCIENTIFIC INFORMATION:

5. INSTRUCTIONS ON HOW TO OBTAIN COPIES OF THE SOURCE DOCUMENTS OF THE SCIENTIFIC INFORMATION FROM THE AGENCY OR OTHER PUBLISHING ENTITY:

Administrative Procedures – Incorporation by Reference

THIS FORM IS ONLY REQUIRED WHEN INCORPORATING MATERIALS BY REFERENCE. PLEASE REMOVE PRIOR TO DELIVERY IF IT DOES NOT APPLY TO THIS RULE FILING:

Instructions:

In completing the incorporation by reference statement, an agency describes any materials that are incorporated into the rule by reference and how to obtain copies.

This form is only required when a rule incorporates materials by referencing another source without reproducing the text within the rule itself (e.g. federal or national standards, or regulations).

Incorporated materials will be maintained and available for inspection by the Agency.

1. TITLE OF RULE FILING:

Electrical Safety Rules - 2020

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. DESCRIPTION (*DESCRIBE THE MATERIALS INCORPORATED BY REFERENCE*):

NFPA 70, National Electrical Code - 2020 Edition; NFPA 73, Residential Electrical Code - 2016 Edition and NFPA 780, Lightning Protection Code - 2020 Edition

4. FORMAL CITATION OF MATERIALS INCORPORATED BY REFERENCE:

Section 5 of these rules.

5. OBTAINING COPIES: (*EXPLAIN WHERE THE PUBLIC MAY OBTAIN THE MATERIAL(S) IN WRITTEN OR ELECTRONIC FORM, AND AT WHAT COST*):

National Fire Protection Association, Fulfillment Center, NFPA 11 Tracey Drive, Avon, MA 02322-9910, 1-800-344-3555. catalog.nfpa.org

NFPA 70 - \$113.50

NFPA 73 - \$47.50

NFPA 780 - \$71.00

Incorporation By Reference

NFPA Members receive a 10% discount. These materials are also available for review at the Division of Fire Safety Central Office and each of their Regional Offices during normal business hours. NFPA is also available for review on-line at www.NFPA.org.

6. MODIFICATIONS (*PLEASE EXPLAIN ANY MODIFICATION TO THE INCORPORATED MATERIALS E.G., WHETHER ONLY PART OF THE MATERIAL IS ADOPTED AND IF SO, WHICH PART(S) ARE MODIFIED*):

Amendments to the adopted material are contained in Section 5 of these rules.

Run Spell Check

Annotated
Text



VERMONT

ELECTRICAL SAFETY RULES

~~2017~~2020

*The Vermont Electricians' Licensing Board
and the Vermont Department of Public Safety
Division of Fire Safety*

*Effective Date: October 1, 2017*TBD

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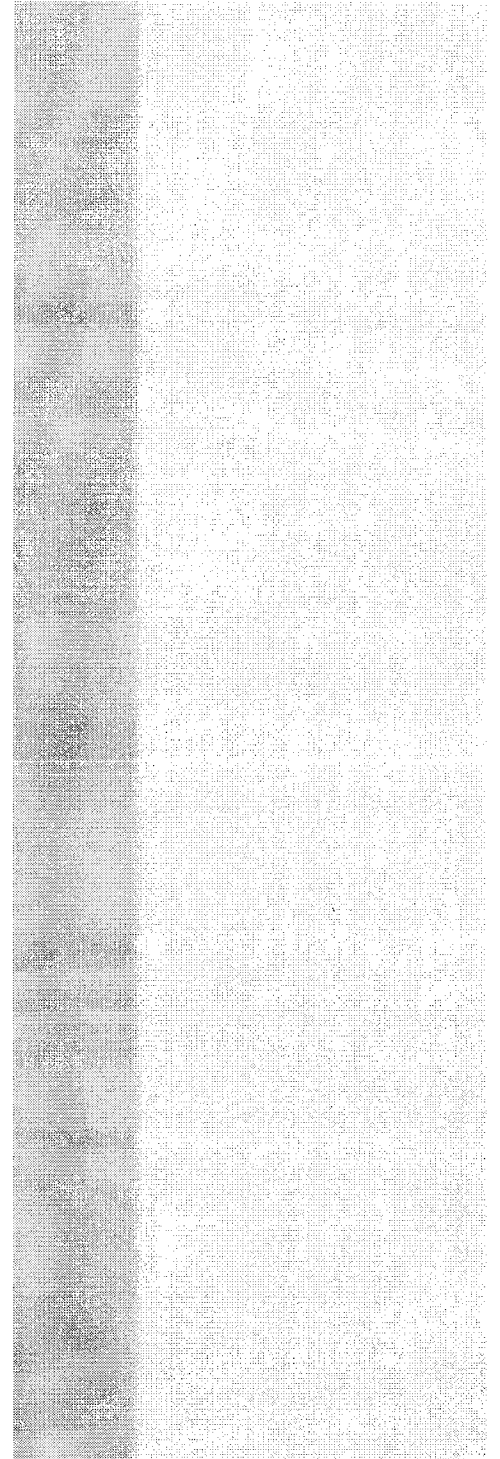
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I. PURPOSE OF THE RULES

The purpose of these rules is to protect the people of the State of Vermont from the risk of fire or electrocution from unsafe electrical installation, by the adoption and enforcement of nationally recognized safety codes and by the licensure, education and training, of people doing electrical installation work. The State of Vermont's law regarding electricians and electrical installations (Chapter 15 of Title 26, Vermont Statutes Annotated) is referenced in Annex I. Further information about these rules and their application may be obtained from the:

Division of Fire Safety
45 State Drive 1311 U.S. Route 302, Suite 600
Waterbury Barre, VT 05641-235476
Telephone: 802-479-7561
Website: www.firesafety.vermont.gov

2. ADOPTION OF THE RULES

(a) These rules are adopted by the Commissioner of Public Safety and the Electricians' Licensing Board pursuant to 26 V.S.A. Chapter 15, to license people doing electrical work and to adopt and enforce nationally recognized safety codes.

(b) Existing electrical installations that do not comply with the provisions of these rules shall be permitted to be continued in use unless the authority having jurisdiction determines that the lack of conformity with these rules presents an imminent danger. Where changes are required for correction of hazards, a reasonable amount of time shall be given for compliance, depending on the degree of the hazards.

(c) These rules do not apply to:

(1) The construction, installation, operation, repair or maintenance of electrical installations which are used by a public utility in rendering its authorized service, including communications, metering, generation, control, transformation,

transmission or distribution of electric energy; nor to the installation, operation, repair and wiring associated with telecommunication services and equipment used for the transmission of information by electricity regardless of the location of such electrical installations, equipment or facilities.

(2) Electrical installations in ships, aircraft, pipeline systems, railway rolling stock, automotive equipment, or portable sound equipment.

(3) The manufacture, testing or repair of electrical equipment in the plant of the manufacturer of the equipment.

(4) The construction repairs or maintenance of buildings used exclusively for agricultural purposes on owner occupied farms.

(5) Manufactured or mobile homes owned by the occupant and located on leased land or in a mobile home park. The rules do apply to the electrical service and feeder for such units.

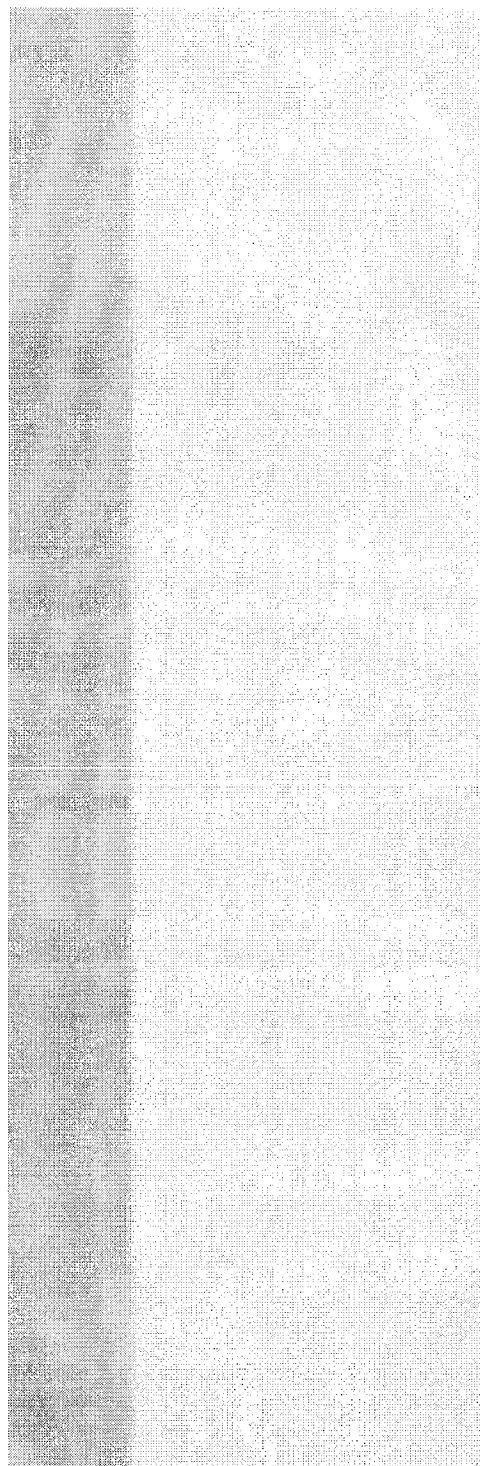
(6) A single-family ~~owner-occupied~~ owner-occupied dwelling.

3. ELECTRICAL LICENSING

With limited exceptions, anyone performing electrical work in the State of Vermont, other than in a residential building containing two or fewer dwelling units or electrical work regulated under the National Electrical Code, article 800, Communications Circuits, is required to be licensed as an electrician. The exceptions to the licensing requirement are contained in 26 V.S.A. § 910, which is reference in Annex I.

An elevator or lift mechanic licensed in accordance with 21 V.S.A. § 145 is permitted to install, alter or maintain electrical wiring required for an elevator or lift beginning after the main electrical disconnect for the elevator or lift. The main

disconnect for the



elevator or lift and building wiring and devices associated with an elevator or lift, such as electrical lights, receptacles and fire alarm devices are required to be installed by an electrician licensed under this section.

To become licensed to do electrical work in the State of Vermont an applicant must meet the requirements established by the following sections:

3.1 MASTER ELECTRICIAN

(a) To be eligible for licensure as a master electrician, an applicant shall:

- (1) have been licensed as, and working as, a journeyman electrician under this chapter for at least two years; or
- (2) have had comparable experience and training, within or without this state, acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.

(b) Upon successful completion of the examination and payment of the required fee, the applicant shall receive a master electrician's license in the form of a wallet-size card. This license shall be carried by the master electrician at all times while performing his or her trade and shall be displayed upon request. Upon the request by the licensee and upon payment of the required fee, the board shall issue a license certificate suitable for framing.

(c) A person licensed under this chapter as a master electrician is entitled to design, install, repair, maintain and replace electrical installations including work in the specialty fields designated in Section 3.3 of these rules, as his or her principal business or in the course of another business conducted by him or her, and may employ other persons licensed under this chapter or electrician's helpers to perform work in connection with electrical installations under his or her direction.

In the case of an apprentice or helper, "under his or her direction" means either that the master is physically present on the work site and is immediately available to direct and supervise that apprentice or helper, or that a journeyman under the master's direction is immediately available to direct and supervise that apprentice or helper.

3.2 JOURNEYMAN ELECTRICIAN

(a) To be eligible for licensure as a journeyman electrician an applicant shall:

- (1) provide verification by the Vermont apprenticeship council of completion of an apprenticeship in electrical wiring which included both instruction and practice in work processes; or
- (2) have had equivalent training acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.

(b) The board may approve an applicant who has completed the instruction portion of the apprenticeship program to take the examination prior to completion of the practice in work experience. Where an applicant has successfully completed the examination, but not the practice in work experience, a license shall not be issued until the practice in work experience portion of the apprenticeship program has been completed.

(c) Upon successful completion of the examination and payment of the required fee, the applicant shall receive a journeyman electrician's license in the form of a wallet-size card. This license shall be carried by the journeyman at all times while performing his or her trade and shall be displayed upon request. Upon request by the licensee and payment of the required fee, the board shall issue a license certificate suitable for framing.

(d) A person licensed under this chapter as a journeyman electrician is entitled to perform electrical installations under the direction of a master electrician or a type-s journeyman in connection with that specialty field, and may supervise an apprentice electrician or an electrician's helper employed by a master electrician under the master electrician's direction. In the case of an apprentice or helper, "supervise" means that the journeyman is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.

3.3 TYPE-S JOURNEYMAN ELECTRICIAN

(a) To be eligible for licensure as a Type-S Journeyman an applicant shall:

- (1) Complete an accredited training and experience program recognized by the board; or
- (2) Have had training and experience, within or without this state, acceptable to the Board; and
- (3) Pass an examination to the satisfaction of the board in one or more of the following fields:

- (A1) Automatic gas or oil heating, including geo-thermal;
- (B2) Outdoor advertising;
- (C3) Refrigeration or air conditioning;
- (D4) Appliance and motor repairs;
- (E5) Well pumps;
- (F6) Farm Equipment;
- (G7) Any miscellaneous specified area of specialized competence. This class includes:
 - (G7)c Commercial fire alarm systems
 - (G7)g Gas pump installation, including electrical work involving a canopy over gas pumps, and bulk plant work

- (G7)k Electrical lock installation including delayed egress and access control
- (G7)l Lightning rod installation
- (G7)s Solar installation

(b) Upon successful completion of the examination and payment of the required fee for each field in which a license is to be issued, the applicant shall receive a license in the form of a wallet-size card which shall be carried at all times while performing his or her trade and shall be displayed upon request. Upon request of the licensee and upon payment of the required fee, the board shall issue a license certificate suitable for framing.

(c) A person licensed under this Chapter as a Type-S Journeyman Electrician is entitled to design, install, repair, maintain and replace electrical installations as an employee or an independent contractor only in connection with the specialty field designated on the person's license, and may only install branch circuits from the existing electrical service. A Type-S Journeyman Electrician may employ other persons licensed under this chapter and may supervise an apprentice or an electrician's helper. In the case of an apprentice or helper, "supervise" means that the Type-S journeyman is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.

(d) No person, other than a licensed master electrician, shall engage in the business of installing lightning rods, fire alarms or fire detection equipment or systems for another unless that person holds an appropriate type-s journeyman electricians' license, issued by the Board under this section.

3.4 APPLICATION; EXAMINATIONS AND FEES

(a) Each applicant for a license shall submit to the board, on forms furnished by it, a written application containing such relevant information as the board may require, accompanied by the required examination fee. The examination fee shall be established by the board but shall be no greater than the cost associated with administering the examination. The examination fee may be paid directly to a testing agency under contract to provide examinations for the board. *[Note: The current examination fee is \$65 for the standard test, or \$100 for the computer based test, paid directly to the testing agency.]*

(b) Examinations shall be conducted in writing and shall include a practical skills examination. The examination shall cover theoretical and practical aspects of electrical work, together with pertinent laws and rules. In addition, the master electrician's examination shall contain questions on all specialty fields designated for type-s journeyman electricians.

(c) The board, in determining the qualifications of an applicant for a license, may in its discretion give recognition, in the case of an application for a master's license, to the applicant's experience as a licensed journeyman in another state, or in the case of an application for a journeyman's license, to an apprenticeship served in another state, or may otherwise give recognition to experience or prior qualifications.

(d) The approval to an applicant for a license to take the required examination is valid for three years from the date of the approval by the board.

(e) An applicant who fails the examination may, upon payment of the required fee to the testing agency, retake the examination. The board shall require that an applicant obtain a minimum of 8 hours of education on the National Electrical Code or National Fire Alarm Code before retaking the examination where the applicant has failed the examination on three attempts.

(f) A person to whom a master electrician's license or a journeyman electrician's license has been previously issued by another state, whose standards are equivalent to those of this state, if under the laws or regulations of the state issuing the license a similar privilege is granted to electricians licensed under the laws of this state, shall be issued a reciprocal license without examination on payment of the required fee. *[Note: Current reciprocal agreements include the States of New Hampshire, and Maine.]*

Electrical license fees are established by the Vermont Legislature. Refer to §905 located at site below for fees; <http://legislature.vermont.gov/statutes/chapter/26/015>

3.5 RENEWAL OF LICENSE

(a) All licenses expire on the last day of a month designated by the board. A license shall be valid for three years. A notice of renewal and application for renewal is sent to each licensee prior to the expiration of the license. The signed application for renewal, the certification of continuing education and the appropriate fee must be returned prior to the date that the license expires. The board shall renew the license of a person holding a valid license issued under this chapter on receipt of an application for renewal, certification of continuing education, child support certification, tax certification and the required fee, on or before the expiration date of his license.

(b) All journeyman and master electricians shall, as a condition of license renewal, complete **15 hours** of instruction, approved by the board, on the national electrical code during the preceding 36-month period. All holders of a type-S journeyman license shall, as a condition of renewal, complete eight hours of instruction, approved by the board, on the subject of the license holder's specialty during the preceding 36 months. A person who is licensed in more than two fields of specialized competence shall not be required to complete more than a total of **15 hours** of instruction.

(c) If a license is allowed to lapse it may be renewed within one year of its expiration date by the payment of \$25.00 in addition to the renewal fee. A licensed electrician whose license has lapsed shall not accomplish any unsupervised electrical installation work covered by these rules until the license has been renewed.

(d) If a license is not renewed within one year of its expiration date the inactive licensee shall make application for a new license and shall follow the appropriate licensing procedure. The Board may waive the requirement for reexamination where there is an undue hardship or other unusual circumstance.

3.6 REVOCATION, SUSPENSION AND REFUSAL OF RENEWAL OF LICENSE

(a) The board, after notice to the licensee and opportunity for hearing, may revoke or suspend a license issued under this chapter, or refuse to renew the license of a person who has made application for renewal:

- (1) If the license was wrongfully or fraudulently obtained;
- (2) If the licensee has violated or failed to comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules;
- (3) If the licensee is found by the board to be unqualified to hold the license.

(b) The board, after notice and opportunity for hearing, may take alternative actions against a license holder which is less severe than revocation, suspension or refusal to renew a license, including but not limited to formal reprimand, additional required education, conditions on electrical installation, etc. The Board may act:

- (1) If the license was wrongfully or fraudulently obtained;

(2) If the licensee has violated or failed to comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules;

(3) If the licensee is found by the board to be unqualified to hold the license.

(c) The Board will proceed with initiating a complaint against a licensee, investigation of the complaint, action and hearings as described in Section 9.

(d) A person may file a complaint with the Board by doing so in writing, setting forth a full statement of the facts concerning the alleged infraction of the electrician's licensing law or rules. In the event a complaint is filed with the Board, the Board's investigation shall not be limited to the matter set forth in the request for investigation but may extend to any act coming to the attention of the board which appears to violate the law or these rules.

4. DUTIES OF THE LICENSEE

(a) Any person who has obtained an electrical license under these rules shall:

- (1) Not install, repair or maintain electrical conductors and equipment in a manner which is likely to be unsafe to people and property.
- (2) Observe these rules regarding all electrical installation, repair or maintenance work, and supervision of unlicensed employees.
- (3) Not begin electrical work until a work notice for the work has been validated.
- (4) Notify the Division of Fire Safety of a change of address.

(b) Any licensed electrician who has filed a work notice shall;

- (1) Keep records which outline who has accomplished the work covered under the work notice.
- (2) Provide at least 5 working days notice to the electrical inspector for any required inspection.
- (3) Provide access for the electrical inspector to all electrical work and records subject to inspection.

5. ADOPTION OF NATIONALLY RECOGNIZED SAFETY STANDARDS

(a) The Electricians' Licensing Board, for the purpose of making rules regarding the safeguarding of persons and property from hazards arising from the use of electricity adopts the following standards per the specific edition.

NFPA 70, National Electrical Code, (2017-2020 edition) To meet the needs of Vermont, NFPA70 is amended as follows:

~~-delete & replace-~~ 210.8(A)(10) Laundry areas and rooms: GFCI protection shall be required for receptacles installed within 6 feet (1.8 m) of a washing machine or sink.

~~-delete & replace-~~ 210.8 (A) Dwelling Units. All readily accessible 125-volt through 250-volt receptacles installed in the locations specified in 210.8(A) (1) through (A) (11) and supplied by single-phase branch circuits rated 150 volts or less to ground shall have ground-fault circuit-interrupter protection for personnel

~~-delete & replace-~~ 210.8(B) Other than Dwelling Units. All readily accessible 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150 volts or less to ground, 50 amperes or less, and all receptacles supplied by three-phase branch circuits rated 150 volts or less to ground, 100 ampere or less, installed in the locations specified in 210.8(B)(1) through (B)(12) shall have ground fault circuit-

interrupter protection for personnel.

~~-add-~~ 210.8(F) Outdoor Outlets: All readily accessible outdoor outlets for dwellings, other than those covered in 210.8(A)(3) exception (3) that are supplied by single phase branch circuits rated for 150 volts to ground or less, 50 amperes or less, shall have ground fault circuit interrupter protection installed for safety of personnel. Per NFPA TIA 20-13 "This requirement shall become effective on January 1, 2023 for mini-split-type heating/ventilating/air conditioning (HVAC) equipment and other HVAC units employing power conversion equipment as a means to control compressor speed"

~~-add-~~ 210.12(D)(2): add number to first exception, now Exception No. 1, Branch Circuit Extensions or Modifications — Dwelling Units and Dormitory Units.

~~-add-~~ 210.12(D)(2) Exception No. 2: AFCI protection shall not be required where the extension of the existing conductors is used solely to hardwire single station smoke and or COalarms in an existing dwelling or dormitory unit.

~~-delete and replace as follows - article 230.70(A)(1)~~

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(1) Location. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure, or inside a building or structure nearest the point of entrance of the service conductors, not to exceed 10 feet of conductor length from the point of entrance.

~~-add-~~ *article 334.10(3) Exception: The 15-minute finish rating shall not be required in buildings or portions of buildings that are not required to be of fire resistance construction.*

~~-delete article 334.12(A)(2)~~

~~-add-~~ *422.31 (D) Emergency switch for oil and gas fired heating appliances. For oil and gas fired heating appliances an emergency disconnect switch, so labeled shall be located outside of the entrance to the mechanical room or just inside the entrance of the basement.*

~~-add-~~ *article 518.3 (D)(D) Illumination of Means of Egress. Lighting circuits and illumination of means of egress shall be provided in accordance with Section 7.8 of the Life Safety Code (NFPA 101) as adopted under the Vermont Fire & Building Safety Code. [Note: see Annex II for a copy of this section as adopted.]*

~~-delete-~~ *article 520.5(C), Wiring Methods for Theaters and similar locations*

~~-delete-~~ *article 620.51(B) Disconnecting means: (elevator shunt-trip not required)*

~~-delete & replace-~~ *article 690.12(C) Initiation Device: The initiation device(s) shall initiate the rapid shutdown function of the PV (photovoltaic) system. The device "off" position shall indicate that the rapid shutdown function has been initiated for all PV systems connected to that device. Initiation device(s) shall be located at a readily accessible location outside the*

building.

NFPA 73, Residential Electrical Safety Code (2016 edition), to meet the needs of Vermont NFPA 73 is amended as follows:

~~-delete and replace as follows - Section 5.1~~

Ground Fault Circuit Interrupter: Ground Fault Circuit Interrupters shall be installed in accordance with NFPA 70 Section 210.8(A) and operate properly.

NFPA 780, Lightning Protection Code (2014 edition)

(b) If there are conflicting sections between an adopted code and a referenced code or standard, the adopted code shall apply. If there are conflicting sections between a general requirement and a specific requirement, the specific requirement shall apply. [**Note:** see Annex III for information on how to obtain standards and reference documents.]

6. REFERENCE DOCUMENTS

(a) The following documents, while not part of the electrical safety rules, have been adopted by the State of Vermont as part of the Vermont Fire & Building Safety Code. Electricians should be aware of these documents and consult them as needed.

NFPA 1 - Fire Prevention Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 20 - Standard for the Installation of Centrifugal Fire Pumps, as adopted under the Vermont Fire & Building Safety Code.

NFPA 30 - Flammable and Combustible Liquids Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 30A - Automotive and Marine Service Station Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 32 - Standard for Dry Cleaning Plants, as adopted under the Vermont Fire & Building Safety Code.

NFPA 33 - Standard for Spray Application Using Flammable or Combustible Materials, as adopted under the Vermont Fire & Building Safety Code.

NFPA 34 - Standard for Dipping and Coating Process Using Flammable or Combustible

Liquids, as adopted under the Vermont Fire & Building Safety Code.

NFPA 45 - Standard on Fire Protection of Laboratories Using Chemicals, as adopted under the Vermont Fire & Building Safety Code.

NFPA 50A - Standard for Gaseous Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.

NFPA 50B - Standard for Liquefied Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.

NFPA 54 - National Fuel Gas Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 58 - Standard for the Storage and Handling of Liquefied Petroleum Gases, as adopted under the Vermont Fire & Building Safety Code.

NFPA 59 - Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants as adopted under the Vermont Fire & Building Safety Code.

NFPA 72 - National Fire Alarm Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 73 Electrical Inspections for Existing Dwellings, 2016 edition.

NFPA 90A - Air Conditioning and Ventilating System as adopted under the Vermont Fire & Building Safety Code.

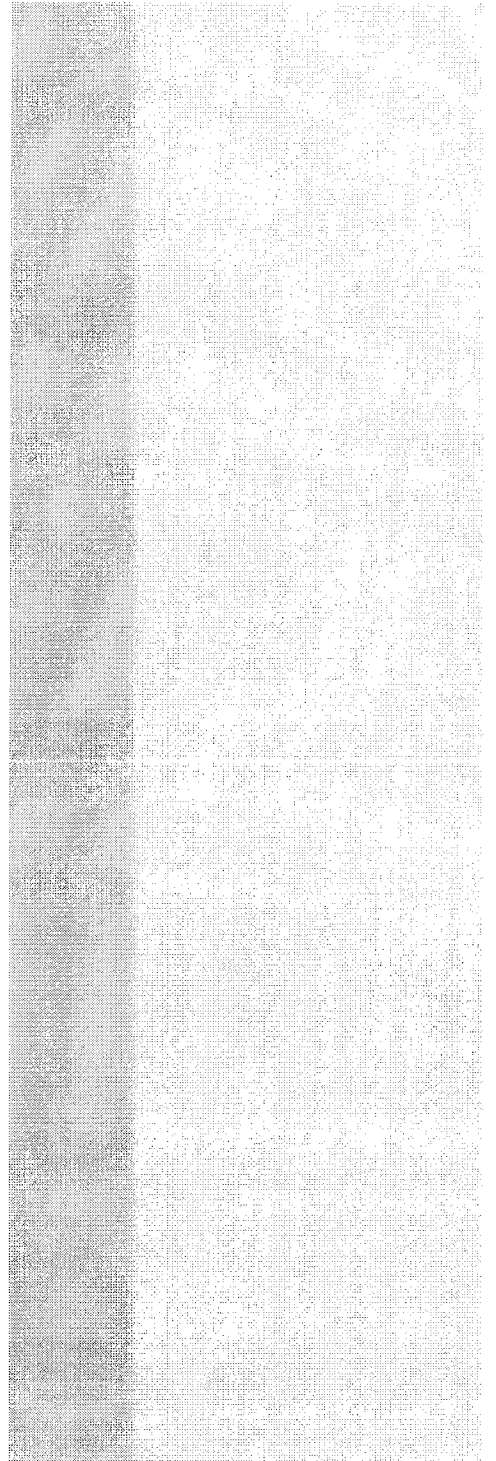
NFPA 96 - Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, as adopted under the Vermont Fire & Building Safety Code.

NFPA 99 - Standard for Health Care Facilities, as adopted under the Vermont Fire & Building Safety Code.

NFPA 101 - Life Safety Code as adopted under the Vermont Fire & Building Safety Code.

NFPA 110 - Standard for Emergency and Standby Power Systems, as adopted

under the Vermont



Fire & Building Safety Code.

NFPA 232 - Standard for the Protection of Records, as adopted under the Vermont Fire & Building Safety Code.

NFPA 720 - Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units, as adopted under the Vermont Fire & Building Safety Code.

(b) If there are differences between the requirements adopted under Section 5 and the requirements in this section, the requirements in Section 5 shall apply.

7. WORK NOTICE, FEES, INSPECTION, ENERGIZING, INSTALLATIONS, CERTIFICATE OF COMPLETION

7.1 WORK NOTICE

(a) Electrical work in a complex structure shall not commence until a work notice accompanied by the required fee is submitted to the department by a Master or Type-S Journeyman Electrician and the work notice is validated by the department. Where electrical work is proposed in a complex structure used for residential purposes, containing no more than two dwelling units, the work notice may be submitted by any person. Demolition work of energized electrical wiring or equipment is considered electrical work and requires a work notice. The validated work notice is the electrical permit for the electrical work to be done.

(b) The electrical inspector may accept an annual electrical work notice where electrical installation work is ongoing at an existing building. An electrical work notice filed under this section shall include the name and location of the building, the licensed electrician responsible for the work and payment of the base fee. The acceptance of an annual electrical work notice does not modify the

requirements for licensure or direct supervision as established under these rules.

(c) Installation or replacement of equipment such as lamps and electric utilization equipment approved for connection to suitable permanently installed receptacles, replacement of fuses, and other minor maintenance and repair work, such as replacing worn cords and tightening connections on a wiring device, do not require a work notice.

(d) Electrical work regulated under the National electrical Code, Article 800, Communications Circuits, does not require a work notice.

(e) A validated work notice shall expire if the work authorized under the validated work notice is not commenced, or is suspended or abandoned, for a time period of **12 months**.

(f) The fee for a work notice, other than the base fee, may be refunded upon written request, when the electrical work is abandoned or discontinued, prorated on the electrical work, services, reviews and inspections conducted prior to such abandonment or discontinued electrical work.

Electrical Work Notice may be down loaded at www.firesafety.vermont.gov

7.2 WORK NOTICE FEES

Electrical work notice fees are established by the Vermont Legislature. Refer to §893 located at site below for fees; <http://legislature.vermont.gov/statutes/chapter/26/015>

All fees are required to be paid to the Commissioner or designated representative prior to the validation of a work notice.

7.3 INSPECTION

(a) An electrical installation in any part of a complex structure shall not be covered unless it is inspected by an electrical inspector. The provisions of this subsection may be specifically waived by an electrical inspector in writing. Upon completion of a new electrical installation, the

applicant shall request a final inspection by an electrical inspector. Within five working days of receipt of the application, the commissioner, or inspector, shall conduct an inspection, establish a reasonable date for inspection or issue a waiver of inspection.

(b) The electrical inspector may also waive the presence of the licensee who filed the work notice for rough and final inspections.

(c) A certificate of completion shall be issued if the electrical inspector determines after inspection that the installation is in compliance with the standards and requirements adopted by the board and that all required fees for the electrical installation have been paid.

(d) No part of a complex structure, in which part a new electrical installation has been made, shall be sold or conveyed for use or occupancy without first securing a certificate of completion for the new electrical installation.

(e) Violation of these rules shall be prima facie evidence of negligence in any civil action for damage or injury, which is the result of the violation.

7.4 ENERGIZING INSTALLATIONS

(a) A new electrical installation in or on a complex structure, or an electrical installation used for the testing or construction of a complex structure shall not be connected or caused to be connected, to a source of electrical energy unless prior to such connection, either a temporary or a permanent energizing permit is issued for that installation by the electrical inspector.

(b) This section shall not be construed to limit or interfere with a contractor's right to receive payment for electrical work for which a certificate of completion has been granted.

8. POWERS OF ENFORCEMENT

The Commissioner of Public Safety or Designated Representative may:

(a) Refuse to validate a work notice if the license holder has other on-going electrical work for which a work notice has not been filed, or if the Department is owed fees or penalties.

(b) Assess an administrative penalty of not more than \$1,000 for each violation of these rules. The "Rules for Administrative Citations and Penalties" adopted by the Vermont Department of Public Safety, Division of Fire Safety establishes the procedure for issuing administrative citations, assessing penalties and appealing citations pursuant to 26 V.S.A. § 897 and are included in Annex I.

(c) Assign the responsibility for inspection and enforcement of all or part of these rules to municipalities as established in 26 V.S.A. 898 and included in Annex I.

(d) Assign the responsibility for inspections and enforcement of all or part of these rules to a private corporation, partnership or sole proprietorship for electrical work on their own premises as established in 26 V.S.A. 899 and included in Annex I.

9. LICENSING DISCIPLINARY PROCEDURE

9.1 INITIATING A COMPLAINT AGAINST A LICENSE

(l) Form of complaint(Filing): A person may register a complaint against an electrician licensed by the electricians' licensing board by filing a written complaint with the Department of Public Safety, Division of Fire Safety, 45 State Drive, Waterbury, VT 05676-1311 U.S. Route 302, Suite 600 Barre, VT ~~05641-2254~~. The written complaint must set forth, at a minimum, the nature, date and place of the alleged violations. The board may also initiate a license review procedure on its own motion by filing a complaint with the department.

(2) Verification: Upon receipt of a complaint, the department will verify the Vermont license number of the person against whom the complaint is lodged. If the person is unlicensed and the complaint alleges criminal conduct, the department will refer the complaint to the office of the attorney general. If the person is a licensee of the board, the department will docket the complaint and open an investigation file under the name and license number of the person.

(3) Investigating Panel: An investigating panel consisting of an investigator designated by the department and assistant attorney general will be formed upon the docketing of a complaint. The Assistant Attorney General assigned to the case will head the panel and supervise the investigation of the complaint.

9.2 INITIATING THE INVESTIGATION

(1) Notice to the Assistant Attorney General and to the investigator: Upon docketing the complaint, the department will send a copy of all materials contained in the newly opened file, including a copy of the complaint, to the Assistant Attorney General and to the investigator.

(2) Notice to the Licensee: The department will send written notice of the initiation of an investigation to the licensee against whom the complaint has been filed. The notice shall include a copy of the complaint and a copy of the statute and these rules. The notice will inform the licensee that inquiries or materials regarding the investigation should be addressed to the investigating panel at the address of the department.

(3) Notice to the Board: The department will send written notice to the board indicating that an investigation has been instituted regarding a licensing complaint.

(4) The inspector assigned to investigate the complaint shall inspect the work which is the

subject of the complaint and interview the complainant. The inspector may also meet and interview the licensee at the direction of the Assistant Attorney General assigned to the matter.

9.3 RECOMMENDED ACTION

(1) At the conclusion of the investigation the Assistant Attorney General assigned to the matter shall make a recommendation as to whether formal proceedings should commence against the licensee.

(2) If formal disciplinary proceedings are recommended, the Assistant Attorney General shall submit a complaint describing the alleged violations, and the rules or statutes violated, with the recommendation.

(3) If the licensee is willing to admit to the charges the Assistant Attorney General may develop a stipulated settlement for approval of the Board.

(4) If no disciplinary action is recommended the case will be closed and the complainant and the licensee will be notified that no further action will be taken at this time. The matter may be reopened if new evidence is presented.

9.4 FORMAL HEARING BY THE BOARD

(1) Notice and Place of Hearing: Upon the filing of a notice of charges by the investigating panel, the board will commence the hearing process by serving the notice of charges and a notice of the hearing upon the licensee. Notice will be served personally or by certified mail, return receipt requested. Copies will be sent to the members of the investigating panel and the complainant. The hearing will be scheduled at least 20 days after service.

(2) Failure to Appear: If the licensee fails to appear after proper notice has been given, the board shall hold the hearing and make a decision on the charges.

(3) A quorum of the board shall be a majority of its members.

(4) Conduct of Hearing; Receipt of Evidence; Argument: The board may admit any evidence it deems of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs. All persons shall testify under oath or affirmation. The licensee or his/her attorney may examine or cross-examine witnesses, inspect documents, and explain or rebut any evidence presented to the board. The assistant attorney general, investigator, and licensee may present oral and written argument in addition to evidence, which also shall be made part of the record.

Where a licensee is not represented by counsel the board shall advise the licensee and aid in the examining and cross-examining of witnesses as effectively as possible compatible with the impartial discharge of its duties as a body of impartial review.

(5) Authority of the Chair: The chair shall administer oaths to witnesses, rule on questions of evidence and upon the service of subpoenas and other notices, and do whatever is necessary and proper to conduct the hearing in a judicious, fair and expeditious manner.

(6) Disqualification of a Board Member: A member of the board shall voluntarily disqualify him or herself and withdraw from any hearing in which the member cannot act in a fair and impartial manner, or where the member has an interest in the proceedings. Any party to a hearing may request disqualification of a board member by filing an affidavit stating with particularity the grounds for disqualification. If the board member does not disqualify him or herself in response to the motion, the chair of the board shall decide the issue of disqualification. A hearing shall be held if requested by the moving party or if deemed necessary by the chair. All materials pertinent to a matter of disqualification shall be made part of the

record.

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If a board member is disqualified, thereby negating the quorum, the chair shall appoint a hearing officer to decide the matter in the same manner as if the board were presiding.

(7) Judgment of the Board: The board will issue a decision within a reasonable time following the conclusion of the hearing. The decision must be in writing and be signed by the members of the board. The decision shall set forth findings of fact, conclusions of fact and law, and the judgment. If a decision of the board is not unanimous, the decision of the majority will control. The minority may file a dissenting opinion.

The Board promptly shall mail or deliver a copy of its decision to the licensee, the investigating panel and, if appropriate, to the complainant. An order attached to the judgment will go into effect after the end of the 30-day appeal period, if no appeal is filed.

(8) Appeal from a Decision of the Board: A licensee aggrieved by a judgment of the board may appeal that judgment to the Supreme Court. The board may grant, or the court may order, a stay of the board's order upon application of the licensee.

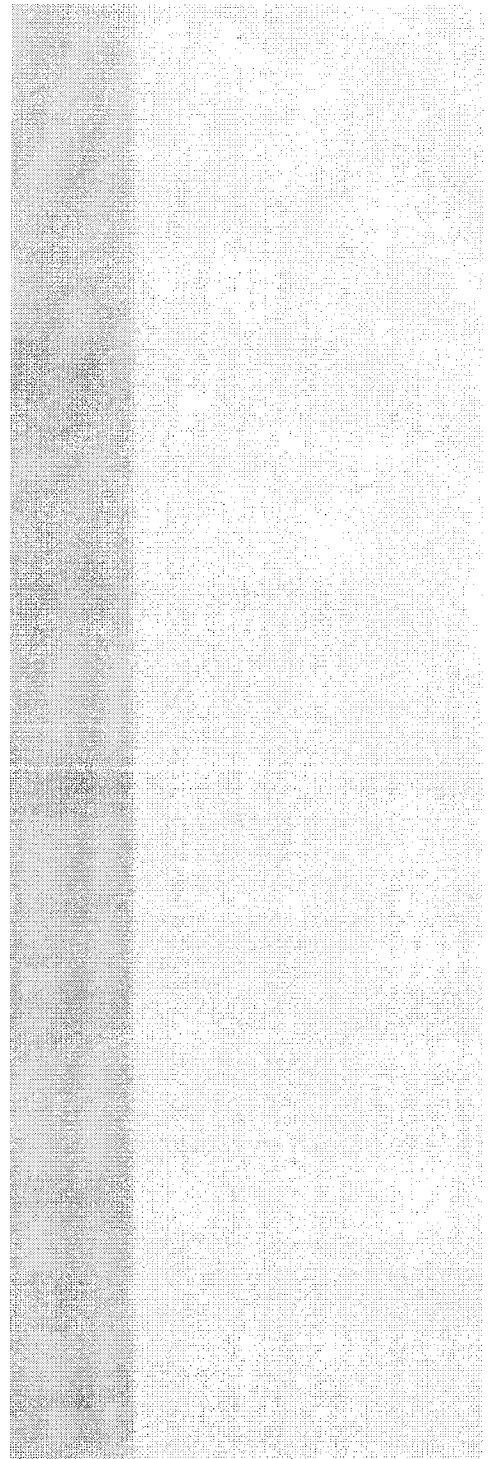
(9) Transcripts: A contested case hearing shall be recorded but not transcribed unless a transcript is requested by an interested person. Transcripts will be available for cost. The board will provide an estimate of transcription cost before filling an order for transcript.

**10. SEVERABILITY CLAUSE
AND EFFECTIVE DATE**

(a) In the event any part or provision of these rules is held to be illegal, this shall not have the effect of making void or illegal any of the other parts or provisions of these rules.

(b) These rules shall take effect ~~October 1, 2017~~ TBD and shall be known as The Vermont Electrical Safety Rules. To achieve an orderly transition for compliance with these rules:

(c) Electrical installation work in the process of construction at the time of adoption of these rules, or where a work notice has been validated and work is commenced within **30 days** of the adoption of these rules, may be completed in accordance with the ~~2014-2017~~ Vermont Electrical Safety Rules.



ANNEX I

Title 26: Chapter 15: ELECTRICIANS AND ELECTRICAL INSTALLATIONS

Subchapter 1: General Provisions

- § 881. Definitions
- § 882. Exceptions

Subchapter 2: Regulation Of Electrical Installations By Licensing Board

- § 891. Rules adopted by board
- § 892. Work in progress
- § 893. Commencement of work; fees; work notice; inspection of work; certificate of completion
- § 894. Energizing installations
- § 895. Issuance of order by commissioner
- § 896. Request for reconsideration; appeals
- § 897. Administrative penalties; enforcement; liability
- § 898. Municipal inspection
- § 899. Private inspections

Subchapter 3: Licensing Electricians

- § 901. Electricians' licensing board
- § 902. Master electricians
- § 903. Journeyman electricians
- § 904. Type-S journeyman electrician
- § 905. Application; examinations and fees
- § 906. Examinations not required
- § 907. Recognition of experience in or out of state
- § 908. Expiration and renewal of licenses; continuing education
- § 909. Revocation, suspension and refusing of renewal of license
- § 910. License not required
- § 911. Penalty
- § 913. License fees and licenses
- § 914. Members of board; per diem and expenses
- § 915. Employment of inspectors; appropriation

For full text please refer to; <http://legislature.vermont.gov/statutes/chapter/26/015>

ANNEX II
SECTION 7.8 ILLUMINATION OF MEANS
OF EGRESS (NFPA 101; LIFE SAFETY
CODE, 2015 EDITION)

7.8 Illumination of Means of Egress.

7.8.1 General.

7.8.1.1 * Illumination of means of egress shall be provided in accordance with Section 7.8 for every building and structure where required in Chapter 11 through Chapter 43. For the purposes of this requirement, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of this requirement, exit discharge shall include only designated stairs, aisles, corridors, ramps, escalators, walkways, and exit passageways leading to a public way.

7.8.1.1 Illumination of means of egress shall be continuous during the time that the conditions of occupancy require that the means of egress be available for use, unless otherwise provided in 7.8.1.2.2.

7.8.1.1.1 Artificial lighting shall be employed at such locations and for such periods of time as are necessary to maintain the illumination to the minimum criteria values herein specified.

7.8.1.2.2 * Unless prohibited by Chapters 11 through 43, automatic lighting control devices shall be permitted to temporarily turn off illumination within the means of egress, provided that each lighting control device complies with all of the following:

- (1) In new installations, the lighting control device is listed.
- (2) The lighting control device is equipped to automatically energize the controlled lights upon loss of normal power and is evaluated for this purpose.
- (3) Illumination timers are provided and are set for a minimum 15-minute duration.
- (4) The lighting control device is activated by any occupant movement in the area served by the lighting units.
- (5) In new installations, the lighting control device is activated by activation of the building fire alarm system, if provided.
- (6) The lighting control device does not turn off any lights relied upon for activation of photoluminescent exit signs or path markers.

(7) The lighting control devices does not turn off any battery-equipped ~~equipped~~ emergency luminaries, unit equipment, or exit signs.

7.8.1.2.3 * Energy-saving sensors, switches, timers, or controllers shall be approved and shall not compromise the continuity of illumination of the egress required by 7.8.1.2.

7.8.1.2 The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in 7.8.1.1 shall be illuminated as follows:

- (1) During conditions of stair use, the minimum illumination for new stairs shall be at least 10 ft-candle (108 lux), measured at the walking surfaces.
- (2) The minimum illumination for floors and walking surfaces, other than new stairs during conditions of the stair use, shall be to values of at least 1 ft-candle (10.8 lux), measured at the floor.
- (3) In assembly occupancies, the illumination of the walking surfaces of exit access shall be at least 0.2 ft-candle (2.2 lux) during periods of performances or projections involving directed light.
- (4) * The minimum illumination requirements shall not apply where operations or processes require low lighting levels.

7.8.1.4* Required illumination shall be arranged so that the failure of any single lighting unit does not result in an illumination level of less than 0.2 ft-candle (2.2 lux) in any designated area.

7.8.1.3 The equipment or units installed to meet the requirements of Section 7.10 also shall be permitted to serve the function of illumination of means of egress, provided that all requirements of Section 7.8 for such illumination are met.

7.8.2 Sources of Illumination.

7.8.2.1 Illumination of means of egress shall be from a source considered reliable by the authority having jurisdiction.

7.8.2.2 Battery-operated electric lights and other types of portable lamps or lanterns shall not be used for primary illumination of means of egress. Battery-operated electric lights shall be permitted to be used as an emergency source to the extent permitted under Section 7.9.

ANNEX III - HOW TO OBTAIN STANDARDS AND REFERENCE DOCUMENTS

American Society for Testing and Materials
100 Barr Harbor Drive
PO Box C700
West Conshohocken PA 19428-2959
(610) 832-9500
www.astm.org/

National Fire Protection Association
Fulfillment Center
11 Tracy Drive
Avon, MA 02322-9910
(800) 344-3555
www.nfpa.org/

Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook IL 60062
(877-854-3577)
www.ul.com

IEEE Operations Center
445 Hoes Lane,
Piscataway, N.J. 08854-4141
(732) 981-0060

ANNEX IV – HOW TO CONTACT THE DIVISION OF FIRE SAFETY

The Division of Fire Safety has four regional offices:

Waterbury

~~Barre:~~
45 State Drive
1311 U.S. Route 302
Suite 500
~~Barre~~Waterbury, VT 05676
41
Main Phone: (802) 479-4434
Toll Free: (888) 870-7888
Fax: (802) 479-4446

Rutland:

56 Howe St.
Building A, Suite 200
Rutland, VT 05701
Main Phone: (802) 786-5867
Toll Free: (888) 370-4834
Fax: (802) 768-5872

Springfield:

100 Mineral St.
Suite 307
Springfield, VT 05156
Main Phone: (802) 885-8883
Toll Free: (866) 404-8883
Fax: (802) 885-8885

Williston:

380 Hurricane Lane
Suite 101
Williston, VT 05495
Main Phone: (802) 879-2300
Toll Free: (800) 366-8325
Fax: (802) 879-2312

The Division of Fire Safety Central Office is:

45 State Drive, Waterbury, VT 05676 ~~1311 U.S. Route 302 Suite 600 Barre, VT 05641~~
Main Phone: (802) 479-4761 Toll Free: (800) 640-2106 Fax: (802) 479-7562

www.firesafety.vermont.gov

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VERMONT

ELECTRICAL SAFETY RULES

2020

*The Vermont Electricians' Licensing Board
and the Vermont Department of Public Safety
Division of Fire Safety*

Effective Date: TBD

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I. PURPOSE OF THE RULES

The purpose of these rules is to protect the people of the State of Vermont from the risk of fire or electrocution from unsafe electrical installation, by the adoption and enforcement of nationally recognized safety codes and by the licensure, education and training, of people doing electrical installation work. The State of Vermont's law regarding electricians and electrical installations (Chapter 15 of Title 26, Vermont Statutes Annotated) is referenced in Annex I. Further information about these rules and their application may be obtained from the:

Division of Fire Safety
45 State Drive
Waterbury, VT 05676-1597
Telephone: 802-479-7561
Website: www.firesafety.vermont.gov

2. ADOPTION OF THE RULES

(a) These rules are adopted by the Commissioner of Public Safety and the Electricians' Licensing Board pursuant to 26 V.S.A. Chapter 15, to license people doing electrical work and to adopt and enforce nationally recognized safety codes.

(b) Existing electrical installations that do not comply with the provisions of these rules shall be permitted to be continued in use unless the authority having jurisdiction determines that the lack of conformity with these rules presents an imminent danger. Where changes are required for correction of hazards, a reasonable amount of time shall be given for compliance, depending on the degree of the hazards.

(c) These rules do not apply to:

- (1) The construction, installation, operation, repair or maintenance of electrical installations which are used by a public utility in rendering its authorized service, including communications, metering, generation, control, transformation, transmission or distribution of

electric energy; nor to the installation, operation, repair and wiring associated with telecommunication services and equipment used for the transmission of information by electricity regardless of the location of such electrical installations, equipment or facilities.

- (2) Electrical installations in ships, aircraft, pipeline systems, railway rolling stock, automotive equipment, or portable sound equipment.
- (3) The manufacture, testing or repair of electrical equipment in the plant of the manufacturer of the equipment.
- (4) The construction repairs or maintenance of buildings used exclusively for agricultural purposes on owner occupied farms.
- (5) Manufactured or mobile homes owned by the occupant and located on leased land or in a mobile home park. The rules do apply to the electrical service and feeder for such units.
- (6) A single-family owner-occupied dwelling.

3. ELECTRICAL LICENSING

With limited exceptions, anyone performing electrical work in the State of Vermont, other than in a residential building containing two or fewer dwelling units or electrical work regulated under the National Electrical Code, article 800, Communications Circuits, is required to be licensed as an electrician. The exceptions to the licensing requirement are contained in 26 V.S.A. § 910, which is reference in Annex I.

An elevator or lift mechanic licensed in accordance with 21 V.S.A. § 145 is permitted to install, alter or maintain electrical wiring required for an elevator or lift beginning after the main electrical disconnect for the elevator or lift. The main disconnect for the

elevator or lift and building wiring and devices associated with an elevator or lift, such as electrical lights, receptacles and fire alarm devices are required to be installed by an electrician licensed under this section.

To become licensed to do electrical work in the State of Vermont an applicant must meet the requirements established by the following sections:

3.1 MASTER ELECTRICIAN

(a) To be eligible for licensure as a master electrician, an applicant shall:

- (1) have been licensed as, and working as, a journeyman electrician under this chapter for at least two years; or
- (2) have had comparable experience and training, within or without this state, acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.

(b) Upon successful completion of the examination and payment of the required fee, the applicant shall receive a master electrician's license in the form of a wallet-size card. This license shall be carried by the master electrician at all times while performing his or her trade and shall be displayed upon request. Upon the request by the licensee and upon payment of the required fee, the board shall issue a license certificate suitable for framing.

(c) A person licensed under this chapter as a master electrician is entitled to design, install, repair, maintain and replace electrical installations including work in the specialty fields designated in Section 3.3 of these rules, as his or her principal business or in the course of another business conducted by him or her, and may employ other persons licensed under this chapter or electrician's helpers to perform work in connection with electrical installations under his or her direction.

In the case of an apprentice or helper,

"Under his or her direction" means either that the master is physically present on the work site and is immediately available to direct and supervise that apprentice or helper, or that a journeyman under the master's direction is immediately available to direct and supervise that apprentice or helper.

3.2 JOURNEYMAN ELECTRICIAN

(a) To be eligible for licensure as a journeyman electrician an applicant shall:

- (1) provide verification by the Vermont apprenticeship council of completion of an apprenticeship in electrical wiring which included both instruction and practice in work processes; or
- (2) have had equivalent training acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.

(b) The board may approve an applicant who has completed the instruction portion of the apprenticeship program to take the examination prior to completion of the practice in work experience. Where an applicant has successfully completed the examination, but not the practice in work experience, a license shall not be issued until the practice in work experience portion of the apprenticeship program has been completed.

(c) Upon successful completion of the examination and payment of the required fee, the applicant shall receive a journeyman electrician's license in the form of a wallet-size card. This license shall be carried by the journeyman at all times while performing his or her trade and shall be displayed upon request. Upon request by the licensee and payment of the required fee, the board shall issue a license certificate suitable for framing.

(d) A person licensed under this chapter as a journeyman electrician is entitled to perform electrical installations under the direction of a master electrician or a type-s journeyman in connection with that specialty field, and may supervise an apprentice electrician or an electrician's helper employed by a master electrician under the master electrician's direction. In the case of an apprentice or helper, "supervise" means that the journeyman is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.

3.3 TYPE-S JOURNEYMAN ELECTRICIAN

(a) To be eligible for licensure as a Type-S Journeyman an applicant shall:

- (1) Complete an accredited training and experience program recognized by the board; or
- (2) Have had training and experience, within or without this state, acceptable to the Board; and
- (3) Pass an examination to the satisfaction of the board in one or more of the following fields:

- (A1) Automatic gas or oil heating, including geo-thermal.
- (B2) Outdoor advertising.
- (C3) Refrigeration or air conditioning;
- (D4) Appliance and motor repairs;
- (E5) Well pumps.
- (F6) Farm Equipment
- (G7) Any miscellaneous specified area of specialized competence. This class includes:
 - (G7)c Commercial fire alarm systems
 - (G7)g Gas pump installation, including electrical work involving a canopy over gas pumps, and bulk plant work
 - (G7)k Electrical lock installation

- including delayed egress and access control
- (G7)l Lightning rod installation
- (G7)s Solar installation

(b) Upon successful completion of the examination and payment of the required fee for each field in which a license is to be issued, the applicant shall receive a license in the form of a wallet-size card which shall be carried at all times while performing his or her trade and shall be displayed upon request. Upon request of the licensee and upon payment of the required fee, the board shall issue a license certificate suitable for framing.

(c) A person licensed under this Chapter as a Type-S Journeyman Electrician is entitled to design, install, repair, maintain and replace electrical installations as an employee or an independent contractor only in connection with the specialty field designated on the person's license, and may only install branch circuits from the existing electrical service. A Type-S Journeyman Electrician may employ other persons licensed under this chapter and may supervise an apprentice or an electrician's helper. In the case of an apprentice or helper, "supervise" means that the Type-S journeyman is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.

(d) No person, other than a licensed master electrician, shall engage in the business of installing lightning rods, fire alarms or fire detection equipment or systems for another unless that person holds an appropriate type-s journeyman electricians' license, issued by the Board under this section.

3.4 APPLICATION; EXAMINATIONS AND FEES

(a) Each applicant for a license shall submit to the board, on forms furnished by it, a written application containing such relevant information as the board may require, accompanied by the required examination fee. The examination fee shall be established by the board but shall be no greater than the cost associated with administering the examination. The examination fee may be paid directly to a testing agency under contract to provide examinations for the board.

[Note: The current examination fee is \$65 for the standard test, or \$100 for the computer-based test, paid directly to the testing agency.]

(b) Examinations shall be conducted in writing and shall include a practical skills examination. The examination shall cover theoretical and practical aspects of electrical work, together with pertinent laws and rules. In addition, the master electrician's examination shall contain questions on all specialty fields designated for type-S journeyman electricians.

(c) The board, in determining the qualifications of an applicant for a license, may in its discretion give recognition, in the case of an application for a master's license, to the applicant's experience as a licensed journeyman in another state, or in the case of an application for a journeyman's license, to an apprenticeship served in another state, or may otherwise give recognition to experience or prior qualifications.

(d) The approval to an applicant for a license to take the required examination is valid for three years from the date of the approval by the board.

(e) An applicant who fails the examination may, upon payment of the required fee to the testing agency, retake the examination. The board shall require that an applicant obtain a minimum of 8 hours of education on the National Electrical Code or National Fire Alarm Code before retaking the examination where the applicant has failed the examination on three attempts.

(f) A person to whom a master

electrician's license or a journeyman electrician's license has been previously issued by another state, whose standards are equivalent to those of this state, if under the laws or regulations of the state issuing the license a similar privilege is granted to electricians licensed under the laws of this state, shall be issued a reciprocal license without examination on payment of the required fee. *[Note: Current reciprocal agreements include the States of New Hampshire, and Maine.]*

Electrical license fees are established by the Vermont Legislature. Refer to §905 located at site below for fees;

<http://legislature.vermont.gov/statutes/chapter/26/015>

3.5 RENEWAL OF LICENSE

(a) All licenses expire on the last day of a month designated by the board. A license shall be valid for three years. A notice of renewal and application for renewal is sent to each licensee prior to the expiration of the license. The signed application for renewal, the certification of continuing education and the appropriate fee must be returned prior to the date that the license expires. The board shall renew the license of a person holding a valid license issued under this chapter on receipt of an application for renewal, certification of continuing education, child support certification, tax certification and the required fee, on or before the expiration date of his license.

(b) All journeyman and master electricians shall, as a condition of license renewal, complete **15 hours** of instruction, approved by the board, on the national electrical code during the preceding 36-month period. All holders of a type-S journeyman license shall, as a condition of renewal, complete eight hours of instruction, approved by the board, on the subject of the license holder's specialty during the preceding 36 months. A person who is licensed in more than two fields of specialized competence shall not be required to complete more than a total of **15 hours** of instruction.

(c) If a license is allowed to lapse it may be renewed within one year of its expiration date by the payment of \$25.00 in addition to the renewal fee. A licensed electrician whose license has lapsed shall not accomplish any unsupervised electrical installation work covered by these rules until the license has been renewed.

(d) If a license is not renewed within one year of its expiration date the inactive licensee shall make application for a new license and shall follow the appropriate licensing procedure. The Board may waive the requirement for reexamination where there is an undue hardship or other unusual circumstance.

3.6 REVOCATION, SUSPENSION AND REFUSAL OF RENEWAL OF LICENSE

(a) The board, after notice to the licensee and opportunity for hearing, may revoke or suspend a license issued under this chapter, or refuse to renew the license of a person who has made application for renewal:

- (1) If the license was wrongfully or fraudulently obtained;
- (2) If the licensee has violated or failed to comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules;
- (3) If the licensee is found by the board to be unqualified to hold the license.

(b) The board, after notice and opportunity for hearing, may take alternative actions against a license holder which is less severe than revocation, suspension or refusal to renew a license, including but not limited to formal reprimand, additional required education, conditions on electrical installation, etc. The Board may act:

- (1) If the license was wrongfully or fraudulently obtained.
- (2) If the licensee has violated or failed to

comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules.

- (3) If the licensee is found by the board to be unqualified to hold the license.

(c) The Board will proceed with initiating a complaint against a licensee, investigation of the complaint, action and hearings as described in Section 9.

(d) A person may file a complaint with the Board by doing so in writing, setting forth a full statement of the facts concerning the alleged infraction of the electrician's licensing law or rules. In the event a complaint is filed with the Board, the Board's investigation shall not be limited to the matter set forth in the request for investigation but may extend to any act coming to the attention of the board which appears to violate the law or these rules.

4. DUTIES OF THE LICENSEE

(a) Any person who has obtained an electrical license under these rules shall:

- (1) Not install, repair or maintain electrical conductors and equipment in a manner which is likely to be unsafe to people and property.
- (2) Observe these rules regarding all electrical installation, repair or maintenance work, and supervision of unlicensed employees.
- (3) Not begin electrical work until a work notice for the work has been validated.
- (4) Notify the Division of Fire Safety of a change of address.

(b) Any licensed electrician who has filed a work notice shall:

- (1) Keep records which outline who has accomplished the work covered under the work notice.
- (2) Provide at least 5 working days notice to the electrical inspector for any required inspection.
- (3) Provide access for the electrical inspector to all electrical work and records subject to inspection.

5. ADOPTION OF NATIONALLY RECOGNIZED SAFETY STANDARDS

(a) The Electricians' Licensing Board, for the purpose of making rules regarding the safeguarding of persons and property from hazards arising from the use of electricity adopts the following standards per the specific edition.

NFPA 70, National Electrical Code, (2020 edition) To meet the needs of Vermont, NFPA 70 is amended as follows:

-delete & replace- 210.8(A)(10) Laundry areas and rooms: GFCI protection shall be required for receptacles installed within 6 feet (1.8 m) of a washing machine or sink.

-delete & replace- 210.8 (A) Dwelling Units. All readily accessible 125-volt through 250-volt receptacles installed in the locations specified in 210.8(A) (1) through (A) (11) and supplied by single-phase branch circuits rated 150 volts or less to ground shall have ground-fault circuit-interrupter protection for personnel

-delete & replace- 210.8(B) Other than Dwelling Units. All readily accessible 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150 volts or less to ground. 50 amperes or less, and all receptacles supplied by three-phase branch circuits rated 150 volts or less to ground, 100 ampere or less, installed in the locations specified in 210.8(B)(1) through (B)(12) shall have ground fault circuit-

interrupter protection for personnel.

-add- 210.8(F) Outdoor Outlets: All readily accessible outdoor outlets for dwellings, other than those covered in 210.8(A)(3) exception (3) that are supplied by single phase branch circuits rated for 150 volts to ground or less, 50 amperes or less, shall have ground fault circuit interrupter protection installed for safety of personnel. Per NFPA TIA 20-13 "This requirement shall become effective on January 1, 2023 for mini-split-type heating/ventilating/air conditioning (HVAC) equipment and other HVAC units employing power conversion equipment as a means to control compressor speed"

-add- 210.12(D)(2): add number to first exception, now Exception No. 1, Branch Circuit Extensions or Modifications — Dwelling Units and Dormitory Units.

-add- 210.12(D)(2) Exception No. 2: AFCI protection shall not be required where the extension of the existing conductors is used solely to hardwire single station smoke and or CO alarms in an existing dwelling or dormitory unit.

-delete and replace as follows - article 230.70(A)(1)

(1) Location. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure, or inside a building or structure nearest the point of entrance of the service conductors, not to exceed 10 feet of conductor length from the point of entrance.

-add- *article* 334.10(3) Exception: The 15-minute finish rating shall not be required in buildings or portions of buildings that are not required to be of fire resistance construction.

-delete article 334.12(A)(2)

-add- 422.31 (D) Emergency switch for oil and gas fired heating appliances. For oil and gas fired heating appliances an emergency disconnect switch, so labeled, shall be located outside of the entrance to the mechanical room or just inside the entrance of the basement.

-add- *article* 518.3 (D)(D) Illumination of Means of

Egress. Lighting circuits and illumination of means of egress shall be provided in accordance with Section 7.8 of the Life Safety Code (NFPA 101) as adopted under the Vermont Fire & Building Safety Code. [Note: see Annex II for a copy of this section as adopted.]

~~-delete-~~ article 620.51(B) Disconnecting means: (elevator shunt-trip not required)

NFPA 73, Residential Electrical Safety Code (2016 edition), to meet the needs of Vermont NFPA 73 is amended as follows:

-delete and replace as follows - Section 5.1
Ground Fault Circuit Interrupter: Ground Fault Circuit Interrupters shall be installed in accordance with NFPA 70 Section 210.8(A) and operate properly.

DRAFT

NFPA 780, Lightning Protection Code (2014 edition)

(b) If there are conflicting sections between an adopted code and a referenced code or standard, the adopted code shall apply. If there are conflicting sections between a general requirement and a specific requirement, the specific requirement shall apply. *[Note: see Annex III for information on how to obtain standards and reference documents.]*

6. REFERENCE DOCUMENTS

(a) The following documents, while not part of the electrical safety rules, have been adopted by the State of Vermont as part of the Vermont Fire & Building Safety Code. Electricians should be aware of these documents and consult them as needed.

NFPA 1 - Fire Prevention Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 20 - Standard for the Installation of Centrifugal Fire Pumps, as adopted under the Vermont Fire & Building Safety Code.

NFPA 30 - Flammable and Combustible Liquids Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 30A - Automotive and Marine Service Station Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 32 - Standard for Dry Cleaning Plants, as adopted under the Vermont Fire & Building Safety Code.

NFPA 33 - Standard for Spray Application Using Flammable or Combustible Materials, as adopted under the Vermont Fire & Building Safety Code.

NFPA 34 - Standard for Dipping and Coating Process Using Flammable or Combustible Liquids, as adopted under the Vermont Fire & Building Safety Code.

NFPA 45 - Standard on Fire Protection of Laboratories Using Chemicals, as adopted under the Vermont Fire & Building Safety Code.

NFPA 50A - Standard for Gaseous Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.

NFPA 50B - Standard for Liquefied Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.

NFPA 54 - National Fuel Gas Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 58 - Standard for the Storage and Handling of Liquefied Petroleum Gases, as adopted under the Vermont Fire & Building Safety Code.

NFPA 59 - Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants as adopted under the Vermont Fire & Building Safety Code.

NFPA 72 - National Fire Alarm Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 73 - Electrical Inspections for Existing Dwellings, 2016 edition.

NFPA 90A - Air Conditioning and Ventilating System as adopted under the Vermont Fire & Building Safety Code.

NFPA 96 - Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, as adopted under the Vermont Fire & Building Safety Code.

NFPA 99 - Standard for Health Care Facilities, as adopted under the Vermont Fire & Building Safety Code.

NFPA 101 - Life Safety Code as adopted under the Vermont Fire & Building Safety Code.

NFPA 110 - Standard for Emergency and Standby Power Systems, as adopted under the Vermont

Fire & Building Safety Code.

NFPA 232 - Standard for the Protection of Records, as adopted under the Vermont Fire & Building Safety Code.

NFPA 720 - Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units, as adopted under the Vermont Fire & Building Safety Code.

(b) If there are differences between the requirements adopted under Section 5 and the requirements in this section, the requirements in Section 5 shall apply.

7. WORK NOTICE, FEES, INSPECTION, ENERGIZING, INSTALLATIONS, CERTIFICATE OF COMPLETION

7.1 WORK NOTICE

(a) Electrical work in a complex structure shall not commence until a work notice accompanied by the required fee is submitted to the department by a Master or Type-S Journeyman Electrician and the work notice is validated by the department. Where electrical work is proposed in a complex structure used for residential purposes, containing no more than two dwelling units, the work notice may be submitted by any person. Demolition work of energized electrical wiring or equipment is considered electrical work and requires a work notice. The validated work notice is the electrical permit for the electrical work to be done.

(b) The electrical inspector may accept an annual electrical work notice where electrical installation work is ongoing at an existing building. An electrical work notice filed under this section shall include the name and location of the building, the licensed electrician responsible for the work and payment of the base fee. The acceptance of an annual electrical work notice does not modify the requirements for licensure or direct

supervision as established under these rules.

(c) Installation or replacement of equipment such as lamps and electric utilization equipment approved for connection to suitable permanently installed receptacles, replacement of fuses, and other minor maintenance and repair work, such as replacing worn cords and tightening connections on a wiring device, do not require a work notice.

(d) Electrical work regulated under the National electrical Code, Article 800, Communications Circuits, does not require a work notice.

(e) A validated work notice shall expire if the work authorized under the validated work notice is not commenced, or is suspended or abandoned, for a time period of **12 months**.

(f) The fee for a work notice, other than the base fee, may be refunded upon written request, when the electrical work is abandoned or discontinued, prorated on the electrical work, services, reviews and inspections conducted prior to such abandonment or discontinued electrical work.

Electrical Work Notice may be down loaded at www.firesafety.vermont.gov

7.2 WORK NOTICE FEES

Electrical work notice fees are established by the Vermont Legislature. Refer to §893 located at site below for fees;

<http://legislature.vermont.gov/statutes/chapter/26/015>

All fees are required to be paid to the Commissioner or designated representative prior to the validation of a work notice.

7.3 INSPECTION

(a) An electrical installation in any part of a complex structure shall not be covered unless it is inspected by an electrical inspector. The provisions of this subsection may be specifically waived by an electrical inspector in writing. Upon completion of a new electrical installation, the

applicant shall request a final inspection by an electrical inspector. Within five working days of receipt of the application, the commissioner, or inspector, shall conduct an inspection, establish a reasonable date for inspection or issue a waiver of inspection.

(b) The electrical inspector may also waive the presence of the licensee who filed the work notice for rough and final inspections.

(c) A certificate of completion shall be issued if the electrical inspector determines after inspection that the installation is in compliance with the standards and requirements adopted by the board and that all required fees for the electrical installation have been paid.

(d) No part of a complex structure, in which part a new electrical installation has been made, shall be sold or conveyed for use or occupancy without first securing a certificate of completion for the new electrical installation.

(e) Violation of these rules shall be prima facie evidence of negligence in any civil action for damage or injury, which is the result of the violation.

7.4 ENERGIZING INSTALLATIONS

(a) A new electrical installation in or on a complex structure or an electrical installation used for the testing or construction of a complex structure shall not be connected or caused to be connected, to a source of electrical energy unless prior to such connection, either a temporary or a permanent energizing permit is issued for that installation by the electrical inspector.

(b) This section shall not be construed to limit or interfere with a contractor's right to receive payment for electrical work for which a certificate of completion has been granted.

8. POWERS OF ENFORCEMENT

The Commissioner of Public Safety or Designated Representative may:

(a) Refuse to validate a work notice if the license holder has other on-going electrical work for which a work notice has not been filed, or if the Department is owed fees or penalties.

(b) Assess an administrative penalty of not more than \$1,000 for each violation of these rules. The "Rules for Administrative Citations and Penalties" adopted by the Vermont Department of Public Safety, Division of Fire Safety establishes the procedure for issuing administrative citations, assessing penalties and appealing citations pursuant to 26 V.S.A. § 897 and are included in Annex I.

(c) Assign the responsibility for inspection and enforcement of all or part of these rules to municipalities as established in 26 V.S.A. 898 and included in Annex I.

(d) Assign the responsibility for inspections and enforcement of all or part of these rules to a private corporation, partnership or sole proprietorship for electrical work on their own premises as established in 26 V.S.A. 899 and included in Annex I.

9. LICENSING DISCIPLINARY PROCEDURE

9.1 INITIATING A COMPLAINT AGAINST A LICENSE

(l) Form of complaint (Filing): A person may register a complaint against an electrician licensed by the electricians' licensing board by filing a written complaint with the Department of Public Safety, Division of Fire Safety, 1311 U.S. Route 302, Suite 600 Barre, VT 05641-2351. The written complaint must set forth, at a minimum, the nature, date and place of the alleged violations. The board may also initiate a license review procedure on its own motion by filing a complaint with the department.

(2) Verification: Upon receipt of a complaint, the department will verify the Vermont license number of the person against whom the complaint is lodged. If the person is unlicensed and the complaint alleges criminal conduct, the department will refer the complaint to the office of the attorney general. If the person is a licensee of the board, the department will docket the complaint and open an investigation file under the name and license number of the person.

(3) Investigating Panel: An investigating panel consisting of an investigator designated by the department and assistant attorney general will be formed upon the docketing of a complaint. The Assistant Attorney General assigned to the case will head the panel and supervise the investigation of the complaint.

9.2 INITIATING THE INVESTIGATION

(1) Notice to the Assistant Attorney General and to the investigator: Upon docketing the complaint, the department will send a copy of all materials contained in the newly opened file, including a copy of the complaint, to the Assistant Attorney General and to the investigator.

(2) Notice to the Licensee: The department will send written notice of the initiation of an investigation to the licensee against whom the complaint has been filed. The notice shall include a copy of the complaint and a copy of the statute and these rules. The notice will inform the licensee that inquiries or materials regarding the investigation should be addressed to the investigating panel at the address of the department.

(3) Notice to the Board: The department will send written notice to the board indicating that an investigation has been instituted regarding a licensing complaint.

(4) The inspector assigned to investigate the complaint shall inspect the work which is the subject of the complaint and interview the

complainant. The inspector may also meet and interview the licensee at the direction of the Assistant Attorney General assigned to the matter.

9.3 RECOMMENDED ACTION

(1) At the conclusion of the investigation the Assistant Attorney General assigned to the matter shall make a recommendation as to whether formal proceedings should commence against the licensee.

(2) If formal disciplinary proceedings are recommended, the Assistant Attorney General shall submit a complaint describing the alleged violations, and the rules or statutes violated, with the recommendation.

(3) If the licensee is willing to admit to the charges the Assistant Attorney General may develop a stipulated settlement for approval of the Board.

(4) If no disciplinary action is recommended the case will be closed and the complainant and the licensee will be notified that no further action will be taken at this time. The matter may be reopened if new evidence is presented.

9.4 FORMAL HEARING BY THE BOARD

(1) Notice and Place of Hearing: Upon the filing of a notice of charges by the investigating panel, the board will commence the hearing process by serving the notice of charges and a notice of the hearing upon the licensee. Notice will be served personally or by certified mail, return receipt requested. Copies will be sent to the members of the investigating panel and the complainant. The hearing will be scheduled at least 20 days after service.

(2) Failure to Appear: If the licensee fails to appear after proper notice has been given, the board shall hold the hearing and make a decision on the charges.

(3) A quorum of the board shall be a majority of its members.

(4) Conduct of Hearing; Receipt of Evidence; Argument: The board may admit any evidence it deems of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs. All persons shall testify under oath or affirmation. The licensee or his/her attorney may examine or cross-examine witnesses, inspect documents, and explain or rebut any evidence presented to the board. The assistant attorney general, investigator and licensee may present oral and written argument in addition to evidence, which also shall be made part of the record.

Where a licensee is not represented by counsel the board shall advise the licensee and aid in the examining and cross examining of witnesses as effectively as possible compatible with the impartial discharge of its duties as a body of impartial review.

(5) Authority of the Chair: The chair shall administer oaths to witnesses, rule on questions of evidence and upon the service of subpoenas and other notices, and do whatever is necessary and proper to conduct the hearing in a judicious, fair and expeditious manner.

(6) Disqualification of a Board Member: A member of the board shall voluntarily disqualify him or herself and withdraw from any hearing in which the member cannot act in a fair and impartial manner, or where the member has an interest in the proceedings. Any party to a hearing may request disqualification of a board member by filing an affidavit stating with particularity the grounds for disqualification. If the board member does not disqualify him or record.

herself in response to the motion, the chair of the board shall decide the issue of disqualification. A hearing shall be held if requested by the moving party or if deemed necessary by the chair. All materials pertinent to a matter of disqualification shall be made part of the record. If a board member is disqualified, thereby negating the quorum, the chair shall appoint a hearing officer to decide the matter in the same manner as if the board were presiding.

(7) Judgment of the Board: The board will issue a decision within a reasonable time following the conclusion of the hearing. The decision must be in writing and be signed by the members of the board. The decision shall set forth findings of fact, conclusions of fact and law, and the judgment. If a decision of the board is not unanimous, the decision of the majority will control. The minority may file a dissenting opinion.

The Board promptly shall mail or deliver a copy of its decision to the licensee, the investigating panel and, if appropriate, to the complainant. An order attached to the judgment will go into effect after the end of the 30-day appeal period, if no appeal is filed.

(8) Appeal from a Decision of the Board: A licensee aggrieved by a judgment of the board may appeal that judgment to the Supreme Court. The board may grant, or the court may order, a stay of the board's order upon application of the licensee.

(9) Transcripts: A contested case hearing shall be recorded but not transcribed unless a transcript is requested by an interested person. Transcripts will be available for cost. The board will provide an estimate of transcription cost before filling an order for transcript.

10. SEVERABILITY CLAUSE AND EFFECTIVE DATE

(a) In the event any part or provision of these rules is held to be illegal, this shall not have the effect of making void or illegal any of the other parts or provisions of these rules.

(b) These rules shall take effect **TBD** and shall be known as The Vermont Electrical Safety Rules. To achieve an orderly transition for compliance with these rules:

(c) Electrical installation work in the process of construction at the time of adoption of these rules, or where a work notice has been validated and work is commenced within **30 days** of the adoption of these rules, may be completed in accordance with the 2017 Vermont Electrical Safety Rules.

DRAFT

ANNEX I

Title 26: Chapter 15: ELECTRICIANS AND ELECTRICAL INSTALLATIONS

Subchapter 1: General Provisions

§ 881. Definitions

§ 882. Exceptions

Subchapter 2: Regulation Of Electrical Installations By Licensing Board

§ 891. Rules adopted by board

§ 892. Work in progress

§ 893. Commencement of work; fees; work notice; inspection of work; certificate of completion

§ 894. Energizing installations

§ 895. Issuance of order by commissioner § 896. Request for reconsideration; appeals

§ 897. Administrative penalties; enforcement; liability

§ 898. Municipal inspection

§ 899. Private inspections

Subchapter 3: Licensing Electricians

§ 901. Electricians' licensing board

§ 902. Master electricians

§ 903. Journeyman electricians

§ 904. Type-S journeyman electrician

§ 905. Application; examinations and fees

§ 906. Examinations not required

§ 907. Recognition of experience in or out of state

§ 908. Expiration and renewal of licenses; continuing education

§ 909. Revocation, suspension and refusing of renewal of license

§ 910. License not required

§ 911. Penalty

§ 913. License fees and licenses

§ 914. Members of board; per diem and expenses

§ 915. Employment of inspectors; appropriation

For full text please refer to; <http://legislature.vermont.gov/statutes/chapter/26/015>

ANNEX II
SECTION 7.8 ILLUMINATION OF MEANS
OF EGRESS (NFPA 101; LIFE SAFETY
CODE, 2015 EDITION)

7.8 Illumination of Means of Egress.

7.8.1 General.

7.8.1.1 * Illumination of means of egress shall be provided in accordance with Section 7.8 for every building and structure where required in Chapter 11 through Chapter 43. For the purposes of this requirement, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of this requirement, exit discharge shall include only designated stairs, aisles, corridors, ramps, escalators, walkways, and exit passageways leading to a public way.

7.8.1.1 Illumination of means of egress shall be continuous during the time that the conditions of occupancy require that the means of egress be available for use, unless otherwise provided in 7.8.1.2.2.

7.8.1.1.1 Artificial lighting shall be employed at such locations and for such periods of time as are necessary to maintain the illumination to the minimum criteria values herein specified.

7.8.1.2.2 * Unless prohibited by Chapters 11 through 43, automatic lighting control devices shall be permitted to temporarily turn off illumination within the means of egress, provided that each lighting control device complies with all of the following:

- (1) In new installations, the lighting control device is listed.
- (2) The lighting control device is equipped to automatically energize the controlled lights upon loss of normal power and is evaluated for this purpose.
- (3) Illumination timers are provided and are set for a minimum 15-minute duration.
- (4) The lighting control device is activated by any occupant movement in the area served by the lighting units.
- (5) In new installations, the lighting control device is activated by activation of the building fire alarm system, if provided.
- (6) The lighting control device does not turn off any lights relied upon for activation of photoluminescent exit signs or path markers.

(7) The lighting control devices does not turn off any battery-equipped emergency luminaries, unit equipment, or exit signs.

7.8.1.2.3 * Energy-saving sensors, switches, timers, or controllers shall be approved and shall not compromise the continuity of illumination of the egress required by 7.8.1.2.

7.8.1.2 The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in 7.8.1.1 shall be illuminated as follows:

- (1) During conditions of stair use, the minimum illumination for new stairs shall be at least 10 ft-candle (108 lux), measured at the walking surfaces.
- (2) The minimum illumination for floors and walking surfaces, other than new stairs during conditions of the stair use, shall be to values of at least 1 ft-candle (10.8 lux), measured at the floor.
- (3) In assembly occupancies, the illumination of the walking surfaces of exit access shall be at least 0.2 ft-candle (2.2 lux) during periods of performances or projections involving directed light.
- (4) The minimum illumination requirements shall not apply where operations or processes require low light levels.

7.8.1.4* Required illumination shall be arranged so that the failure of any single lighting unit does not result in an illumination level of less than 0.2 ft-candle(2.2 lux) in any designated area.

7.8.1.3 The equipment or units installed to meet the requirements of Section 7.10 also shall be permitted to serve the function of illumination of means of egress, provided that all requirements of Section 7.8 for such illumination are met.

7.8.2 Sources of Illumination.

7.8.2.1 Illumination of means of egress shall be from a source considered reliable by the authority having jurisdiction.

7.8.2.2 Battery-operated electric lights and other types of portable lamps or lanterns shall not be used for primary illumination of means of egress. Battery-operated electric lights shall be permitted to be used as an emergency source to the extent permitted under Section 7.9.

ANNEX III - HOW TO OBTAIN STANDARDS AND REFERENCE DOCUMENTS

American Society for Testing and Materials
100 Barr Harbor Drive
PO Box C700
West Conshohocken PA 19428-2959
(610) 832-9500
www.astm.org/

www.nfpa.org/
Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook IL 60062
(877-854-3577)
www.ul.com

National Fire Protection Association
Fulfillment Center
11 Tracy Drive
Avon, MA 02322-9910
(800) 344-3555

IEEE Operations Center
445 Hoes Lane,
Piscataway, N.J. 08854-4141
(732) 981-0060

ANNEX IV – HOW TO CONTACT THE DIVISION OF FIRE SAFETY

The Division of Fire Safety has four regional offices:

Waterbury:
45 State Drive
Waterbury, VT 05676
Main Phone: (802) 479-4434
Toll Free: (888) 870-7888
Fax: (802) 479-4446

Rutland:
56 Howe St.
Building A, Suite 200
Rutland, VT 05701
Main Phone: (802) 786-5867
Toll Free: (888) 370-4834
Fax: (802) 768-5872

Springfield:
100 Mineral St.
Suite 307
Springfield, VT 05156
Main Phone: (802) 885-8883
Toll Free: (866) 404-8883
Fax: (802) 885-8885

Williston:
380 Hurricane Lane
Suite 101
Williston, VT 05495
Main Phone: (802) 879-2300
Toll Free: (800) 366-8325
Fax: (802) 879-2312

The Division of Fire Safety Central Office is:
45 State Drive, Waterbury, VT 05676
Main Phone: (802) 479-7561 Toll Free: (800) 640-2106 Fax: (802) 479-7562
www.firesafety.vermont.gov

VERMONT **GENERAL ASSEMBLY**

The Vermont Statutes Online

Title 26 : Professions And Occupations

Chapter 015 : Electricians And Electrical Installations

Subchapter 002 : Regulation Of Electrical Installations By Licensing Board

(Cite as: 26 V.S.A. § 891)

§ 891. Rules adopted by Board

The Electricians' Licensing Board created under section 901 of this title may adopt, amend, revise, and repeal rules providing reasonable standards and requirements applicable to any electrical installation as defined in section 881 of this title, except as provided in sections 882 and 892 of this title. The Board, if it finds it practicable to do so, may adopt the provisions of a nationally recognized electrical code under authority of this section. (Added 1969, No. 284 (Adj. Sess.), § 3; amended 1987, No. 274 (Adj. Sess.), § 3.)



Proposed Rules Postings

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Deadline For Public Comment

Deadline: Feb 02, 2022

The deadline for public comment has expired. Contact the agency or primary contact person listed below for assistance.

Rule Details

Rule Number:	21P040
Title:	Electrical Safety Rules - 2020.
Type:	Standard
Status:	Proposed
Agency:	Electricians Licensing Board
Legal Authority:	26 V.S.A. § 891

Summary: The Proposed Vermont Electrical Safety Rules will update the technical codes and standards, including the adoption of the 2020 edition of the National Electrical Code (N.E.C.) also known as the National Fire Protection Association (NFPA) 70. This will better coordinate the license examination with the

Persons Affected:	<p>state apprenticeship program, establishes an expiration date for a permit and a process for refunding permit fees. The rules also provide requirements for filing an electrical work notice, inspection and energizing procedures, details powers of enforcement and licensing disciplinary procedure. The fire service, building owners and the public are generally affected by this rule by the reduction of fires and shock hazards. State and municipal government entities that own or operate buildings are affected by this rule in the same manner as private building owners. The updated code will assist electricians, engineers and architects with the purchase, specification, design and installation of electrical work. Owner occupied, single family dwellings and working farms are not affected by the rule.</p>
Economic Impact:	<p>Updating the Vermont Electrical Safety Rules to include the most recent editions of the codes and standards will simplify electrical installation work and recognize new technology. These rule are not significantly different from the 2017 rules. Where rule changes have been made to improve public safety, though there has not been a significant increase in cost for electrical installation work, availability of components and materials may be a driver of increased costs. Changes have been made to the rules to reduce costs where there is not an adverse effect. Electricians and others who work in the trade will need to purchase a 2020 N.E.C. at the cost of \$113.50.</p>
Posting date:	Dec 22,2021

Hearing Information

	Information for Hearing # 1
Hearing date:	01-26-2022 09:00 AM ADD TO YOUR CALENDAR
Location:	Public Safety Headquarters - Lab Conference Room
Address:	45 State Drive
City:	Waterbury
State:	VT
Zip:	05671
Hearing Notes:	

Contact Information

Information for Primary Contact

PRIMARY CONTACT PERSON - A PERSON WHO IS ABLE TO ANSWER QUESTIONS ABOUT THE CONTENT OF THE RULE.

Level: Primary

Name: John Black, Chief Electrical Inspector

Agency: Division of Fire Safety - Department of Public Safety

Address: 1311 US RTE 302, Suite 500

City: Barre

State: VT

Zip: 05641

Telephone: 802-479-7576

Fax: 802-479-4446

Email: john.black@vermont.gov

[SEND A COMMENT](#)

Website Address: <https://firesafety.vermont.gov>

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Information for Secondary Contact

SECONDARY CONTACT PERSON - A SPECIFIC PERSON FROM WHOM COPIES OF FILINGS MAY BE REQUESTED OR WHO MAY ANSWER QUESTIONS ABOUT FORMS SUBMITTED FOR FILING IF DIFFERENT FROM THE PRIMARY CONTACT PERSON.

Level: Secondary

Name: Robert Sponable, Deputy Director

Agency: Division of Fire Safety - Department of Public Safety

Address: 1311 US RTE 302, Suite 600

City: Barre

State: VT

Zip: 05641

Telephone: 802-479-7566

Fax: 802-479-7562

Email: robert.sponable@vermont.gov

[SEND A COMMENT](#)

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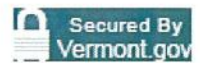
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	The Islander (islander@vermontislander.com)	Tel: 802-372-5600 FAX: 802-372-3025
	Vermont Lawyer (hunter.press.vermont@gmail.com)	Attn: Will Hunter

FROM: APA Coordinator, VSARA

Date of Fax: February 22, 2022

RE: The "Proposed State Rules " ad copy to run on

December 30, 2021

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PROPOSED STATE RULES

By law, public notice of proposed rules must be given by publication in newspapers of record. The purpose of these notices is to give the public a chance to respond to the proposals. The public notices for administrative rules are now also available online at <https://secure.vermont.gov/SOS/rules/> . The law requires an agency to hold a public hearing on a proposed rule, if requested to do so in writing by 25 persons or an association having at least 25 members.

To make special arrangements for individuals with disabilities or special needs please call or write the contact person listed below as soon as possible.

To obtain further information concerning any scheduled hearing(s), obtain copies of proposed rule(s) or submit comments regarding proposed rule(s), please call or write the contact person listed below. You may also submit comments in writing to the Legislative Committee on Administrative Rules, State House, Montpelier, Vermont 05602 (802-828-2231).

Electrical Safety Rules - 2020.

Vermont Proposed Rule: 21P040

AGENCY: Electricians Licensing Board

CONCISE SUMMARY: The Proposed Vermont Electrical Safety Rules will update the technical codes and standards, including the adoption of the 2020 edition of the National Electrical Code (N.E.C.) also known as the National Fire Protection Association (NFPA) 70. This will better coordinate the license examination with the state apprenticeship program, establishes an expiration date for a permit and a process for refunding permit fees. The rules also provide requirements for filing an electrical work notice, inspection and energizing procedures, details powers of enforcement and licensing disciplinary procedure.

FOR FURTHER INFORMATION, CONTACT: John Black, Chief Electrical Inspector, Division of Fire Safety - Dept. of Public Safety, 1311 US Route 302, Suite 500, Barre, VT 05641 Tel: 802-479-7576 Fax: 802-479-4446 Email: john.black@vermont.gov URL: <https://firesafety.vermont.gov>.

FOR COPIES: Robert Sponable, Deputy Director, Division of Fire Safety - Department of Public Safety 1311 US Route 302, Suite 600, Barre, VT 05641 Tel: 802-479-7566 Fax: 802-479-7562 Email: robert.sponable@vermont.gov.
