

Chapter E 20

GENERAL REQUIREMENTS

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| E 20.10 | Character of construction, maintenance and operation | E 20.12 | Construction, inspection and repairs |
| E 20.11 | Use of approved materials and construction methods | E 20.13 | Application of rules |

E 20.10 Character of construction, maintenance and operation. All electrical power and communication equipment and lines shall be of such construction, and so installed, operated, and maintained as to minimize the life and fire hazard.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.

E 20.11 Use of approved materials and construction methods. (1) **MATERIALS.** No materials, employed in construction covered by this code, shall be used which have not been approved by the Department of Industry, Labor and Human Relations or Public Service Commission.

(a) Exception: Materials which comply with the requirements of this code are hereby approved.

Note: It is the policy of the administrative authority to approve materials, devices, and systems which are listed as standard by the Underwriters' Laboratories if they do not conflict with the requirements of this or other state codes or the laws of the state.

(2) **METHODS OF INSTALLATION.** No methods of installing electrical materials or devices in construction covered by this code shall be used which are not approved by the Department of Industry, Labor and Human Relations or Public Service Commission.

(a) Exception: Methods of installation which comply with the requirements of this code are hereby approved.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.

E 20.12 Construction, inspection and repairs. (1) All construction and equipment shall be cleaned when necessary and inspected at such intervals as experience has shown to be necessary. Any equipment or construction known to be defective so as to endanger life or property shall be promptly repaired, permanently disconnected, or isolated until repairs can be made. Construction, repairs, additions and changes to electrical equipment and conductors shall be made by qualified persons only. (See also sections E 121.02 and E 121.04.)

(2) Facilities installed or used in the generation, transmission, distribution and utilization of electricity shall be designed for such installation and use.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.

E 20.13 Application of rules. (1) **WAIVING RULES.** The rules are intended to apply to all installations except as modified or waived by the proper administrative authority. They are intended to be so modified

or waived in particular cases wherever any rules are shown for any reason to be impracticable or if equivalent or safer construction is secured in other ways.

(2) **APPLICATION.** The intent of the rules will be realized (a) by applying the rules in full to all new installations, reconstructions, alterations, and extensions, except where any rule is shown to be impracticable for special reasons or where the advantage of uniformity with existing construction is greater than the advantage of construction in compliance with the rules, providing the existing construction is reasonably safe; (b) by bringing existing installations into conformity with these rules as far as may be directed by the Department of Industry, Labor and Human Relations or Public Service Commission and within the time determined by them.

(3) **TEMPORARY INSTALLATIONS.** It will sometimes be necessary to modify or waive certain of the rules in case of temporary installations or installations which are shortly to be dismantled or reconstructed. Such temporary construction may be used for a reasonable length of time provided it is under competent supervision while it or adjoining equipment is alive or if it is protected by suitable barriers or warning signs when accessible to any person, without fully complying with this code; but all such construction shall be made reasonably safe.

(4) **TESTING.** Rooms which are used exclusively for routine or special electrical test work and, therefore, are under the supervision of a qualified person, need comply with this code only insofar as is practicable for the character of the testing done.

(5) **EMERGENCY.** In case of emergency or pending decision of the administrator, the person responsible for the installation may decide as to modification or waiver of any order, subject to review by proper authority.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.