

**STATE OF MICHIGAN  
96TH LEGISLATURE  
REGULAR SESSION OF 2012**

**Introduced by Reps. Haines, Poleski, Moss, Agema, Tyler, Huuki, Genetski, Wayne Schmidt, Opsommer, Rendon, Heise, Crawford, Franz, Kowall, Somerville, McMillin, MacGregor, Liss, Hobbs, Darany, MacMaster and Knollenberg**

# **ENROLLED HOUSE BILL No. 5582**

AN ACT to amend 1956 PA 217, entitled "An act to safeguard persons and property; to provide for licensing and regulation of electricians and electrical contractors concerning the construction, alteration, installation of electrical wiring and equipment and for the inspection of electrical wiring; to create an electrical administrative board; to create certain committees for certain purposes; to provide certain powers and duties for certain departments; to provide for the assessment of certain fees and for the promulgation of rules; and to prescribe penalties for violations of this act," by amending section 3d (MCL 338.883d), as added by 1990 PA 246.

*The People of the State of Michigan enact:*

Sec. 3d. (1) The department of licensing and regulatory affairs shall issue an electrical journeyman's license to any individual who is at least 20 years of age and who does all of the following:

- (a) Files a completed application form provided by the department of licensing and regulatory affairs.
- (b) Pays the examination fee required under section 3 and passes an examination provided for by the board and the department of licensing and regulatory affairs.
- (c) Pays the license fee required under section 3.
- (d) Meets either of the following:
  - (i) Has at least 8,000 hours of experience obtained over a period of at least 4 years related to electrical construction or maintenance of buildings or electrical wiring or equipment under the direct supervision of an individual licensed under this act.
  - (ii) While on active duty as a member of the armed forces, served as an interior electrician or in an equivalent job classification; was honorably discharged from that military service in the 1-year period preceding the date the license application is filed; and has, and provides with his or her application an affidavit signed by a commanding officer, supervisor, or military superior with direct knowledge of the applicant's service that states that he or she has, at least 8,000 hours of entry-level experience in and basic knowledge of each of the following:
    - (A) General knowledge of the electrical trade, including terminology and the ability to make practical calculations.
    - (B) The determination of system and circuit grounding and design and use requirements for grounding, including choosing proper size grounding conductors.
    - (C) Knowledge of circuit classifications and ratings and design and use requirements for circuits, including branch circuit loads.
    - (D) The determination of ampacity, type of insulation, usage requirements, methods of installation, protection, support, and termination.

(E) Knowledge regarding the installation of motors and control circuits.

(F) The calculation of electrical loads and determination of proper size, rating, and type of service and feeder conductors.

(G) Knowledge regarding fuses, circuit breakers, and all types of protective devices for conductors and equipment.

(H) Knowledge of all types of raceways and their uses, including determining proper size, conductor fill, support, and methods of installation.

(I) Knowledge of circuits and equipment characterized by usage and electrical power limitations, including differentiating them from electric light and power circuits.

(J) Knowledge of all types and applications of lighting fixtures, ratings, requirements for occupancies, special provisions, and clearances.

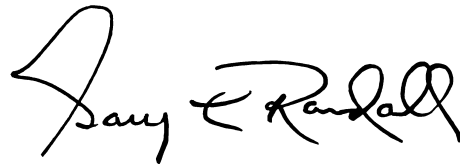
(2) If an applicant who otherwise meets the requirements of subsection (1)(d)(ii) has not attained 8,000 hours of entry-level experience or does not have basic knowledge in each of the areas described in subsection (1)(d)(ii)(A) to (J), he or she may provide with his or her application an affidavit signed by a commanding officer, supervisor, or military superior with direct knowledge of the applicant's service that states the amount of experience the applicant has attained and of which of the areas described in subsection (1)(d)(ii)(A) to (J) the applicant has basic knowledge, and the department may in its discretion grant the applicant credit toward the 8,000-hour experience requirement of subsection (1)(d)(i) based on the applicant's experience.

(3) If an applicant fails to pass the electrical journeyman examination 2 times within a period of 2 years, the applicant is ineligible to sit for another examination until a period of at least 1 year after the date of failure of the second examination, at which time he or she must present to the board proof of the successful completion of a course on code, electrical fundamentals, or electrical theory, approved by the board, in order to again become eligible to sit for an examination.

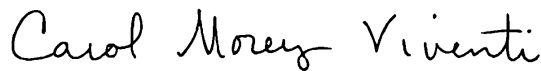
(4) As a condition of renewal of an electrical journeyman's license, the electrical journeyman shall demonstrate the successful completion of a course, approved by the board, concerning any update or change in the code within 12 months after the update or change in that code. This requirement applies only during or after those years that the code is updated or changed.

(5) As used in this section, "armed forces" means that term as defined in section 2 of the veteran right to employment services act, 1994 PA 39, MCL 35.1092.

This act is ordered to take immediate effect.



Clerk of the House of Representatives



Secretary of the Senate

Approved .....

.....  
Governor