

**SKILLED TRADES REGULATION ACT (EXCERPT)**  
**Act 407 of 2016**

ARTICLE 7

ELECTRICIANS AND ELECTRICAL CONTRACTORS

**339.5701 Definitions; A to F.**

Sec. 701. As used in this article:

(a) "Apprentice electrician" means an individual other than an electrical contractor, master electrician, or electrical journeyman, who is engaged in learning about and assisting in the installation or alteration of electrical wiring and equipment under the direct personal supervision of an electrical journeyman or master electrician.

(b) "Board" means the electrical administrative board described in section 705.

(c) "Electrical contractor" means a person that is engaged in the business of erecting, installing, altering, repairing, servicing, or maintaining electrical wiring.

(d) "Electrical journeyman" means an individual other than an electrical contractor who, as his or her principal occupation, is engaged in the practical installation or alteration of electrical wiring. An electrical contractor or master electrician may also be an electrical journeyman.

(e) "Electric sign" means fixed, stationary, or portable self-contained, electrically illuminated equipment that has words or symbols designed to convey information or attract attention. Electric sign includes outline lighting. Electric sign does not include those signs that are indoor or outdoor portable applications or recognized holiday residential signs listed with a recognized testing and approval agency and that use a cord cap-110 volt plug as the electrical energizing attachment method.

(f) "Electrical wiring" means all wiring, generating equipment, fixtures, appliances, devices, and appurtenances in connection with the generation, distribution, and utilization of electrical energy, in or on a building, residence, structure, or properties, regardless of whether or not the electrical wiring is energized at the time of installation. The term includes service entrance wiring as defined in the Michigan electrical code.

(g) "Fire alarm contractor" means a person that is engaged in the business of erecting, installing, altering, repairing, servicing, or maintaining wiring, devices, appliances, or equipment of a fire alarm system.

(h) "Fire alarm specialty apprentice technician" means an individual other than a fire alarm contractor or a fire alarm specialty technician who is engaged in learning about and assisting in the installation or alteration of fire alarm system wiring and equipment under the direct personal supervision of a fire alarm specialty technician.

(i) "Fire alarm specialty licensure" means licensure as a fire alarm contractor or a fire alarm specialty or apprentice technician.

(j) "Fire alarm specialty technician" means an individual other than a fire alarm contractor who, as his or her principal occupation, is engaged in the design and practical installation or alteration of fire alarm systems. An individual who is a fire alarm contractor may also be a fire alarm specialty technician.

(k) "Fire alarm system" means a system that is designed to detect and annunciate the presence of fire, or by-products of fire, installed in a building or structure. Fire alarm system does not include a single station smoke detector.

**History:** 2016, Act 407, Eff. Apr. 4, 2017;—Am. 2018, Act 151, Eff. Aug. 14, 2018.

**339.5703 Definitions; J to S.**

Sec. 703. As used in this article:

(a) "Jobsite" means the immediate work area within the property lines of a single construction project, alteration project, or maintenance project where electrical construction or alteration of electrical wiring is in progress.

(b) "Master electrician" means an individual who has the necessary qualifications, training, experience, and technical knowledge to supervise the installation of electrical wiring and equipment in accordance with the standard rules and regulations governing that work.

(c) "Minor repair work" means electrical wiring that has a value of \$100.00 or less.

(d) "Outline lighting" means an arrangement of incandescent lamps or electric discharge tubing that is an integral part of an electrical sign that outlines certain features, such as the shape of a building or the decoration of a window.

(e) "Related wiring" means any of the following:

(i) Except as otherwise provided in subparagraphs (i), (ii), (iii), and (iv), that portion of the electric sign wiring that originates at the load-side terminals of a disconnecting means located in the vicinity of the electric

sign involved but does not include the installation of the disconnecting means, complete with line-side connections.

(ii) In the case of electric sign installations that have sign transformers installed physically apart from the electric sign, that portion of the electric sign wiring that originates at the load-side terminals of a disconnecting means located in the vicinity of the electric sign involved but does not include the installation of the disconnecting means, complete with line-side connections.

(iii) In the case of free-standing electric sign installations supplied through underground circuit conductors, that portion of the electric sign wiring that originates at a wiring termination point adjacent to, within, or immediately above the permanent base for the electric sign but does not include, if the base of the sign structure is suitable for use as a raceway, the installation of bushing, complete with free-length circuit conductors extending through to accommodate the connection of the related wiring within the sign structure raceway.

(iv) In the case of electric signs specifically designed to be connected directly to the building wiring raceway or cable supply, that portion of the electric sign wiring that originates at the point where the free-length circuit conductors extend through the building wiring raceway or cable at the specifically designed supply location for the electric sign involved but does not include the installation of the building wiring raceway or cable system to the specifically designated point of supply for the electric sign involved, complete with free-length circuit conductors extending through the building wiring raceway or cable to accommodate the connection of the related wiring.

(f) "Sign specialist" means an individual who, as his or her principal occupation, is engaged in the installation, alteration, or repair of electric signs.

(g) "Sign specialty contractor" means a person that is engaged in the business of manufacturing, installing, maintaining, connecting, or repairing electric sign wiring or devices, including wiring that is directly related to electric signs and is electrically dedicated as a sign circuit.

(h) "Sign specialty licensure" means licensure as a sign specialist or sign specialty contractor.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5705 Electrical administrative board; creation; membership; ex officio member; chairperson; vice-chairperson.**

Sec. 705. (1) The electrical administrative board created in section 2 of former 1956 PA 217 shall continue in existence and is designated as the board for purposes of this article.

(2) The board shall consist of 10 members, as follows:

(a) The state fire marshal or his or her representative.

(b) Nine members, who are residents of this state and appointed by the governor, including each of the following:

(i) One member who is a representative of an insurance inspection bureau that operates in this state.

(ii) One member who is a representative of an electrical energy supply agency that operates in this state.

(iii) One member who is an electrical contractor that operates in this state.

(iv) One member who is a master electrician who serves as a supervisor.

(v) One member who is an electrical journeyman.

(vi) One member who is a chief electrical inspector of a municipality.

(vii) One member who is a representative of distributors of electrical apparatus and supplies.

(viii) One member who is a representative of manufacturers primarily and actively engaged in producing material fittings, devices, appliances, fixtures, apparatus, and similar products, used as a part of, or in connection with, an electrical installation.

(ix) One member who is a representative of the general public.

(3) The director of the department, or the authorized representative of the director, is an ex officio member of the board without vote.

(4) The governor shall designate a member of the board to serve as its chairperson at the pleasure of the governor and the members of the board may annually elect a vice-chairperson.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

**Compiler's note:** For transfer of authority, powers, duties, functions, and responsibilities of electrical administrative board to department of licensing and regulatory affairs, see E.R.O. No. 2017-1, compiled at MCL 339.3102.

For the reduction of the number of members from 10 to 9 and abolishment of the requirement that one member be a representative of the general public, see E.R.O. No. 2024-2, compiled at MCL 16.735.

### **339.5707 Fees.**

Sec. 707. (1) The examination fee for licensure of any of the following is \$100.00:

- (a) Master electrician.
- (b) Electrical contractor.
- (c) Electrical journeyman.
- (d) Fire alarm contractor.
- (e) Fire alarm specialty technician.
- (f) Sign specialty contractor.
- (g) Sign specialist.

(2) The fee for an initial license, an apprentice electrician registration, or renewal of a license relating to electricians is as follows:

(a)	Master electrician	\$	50.00.
(b)	Electrical journeyman	\$	40.00.
(c)	Apprentice electrician	\$	15.00.

(3) The fee for an initial fire alarm specialty technician license, a fire alarm specialty apprentice technician registration, or renewal of that license or registration is as follows:

(a)	Fire alarm specialty technician	\$	50.00.
(b)	Fire alarm specialty apprentice technician	\$	15.00.

(4) The fee for an initial sign specialist license or renewal of a sign specialist license is \$40.00.

(5) An apprentice electrician or specialty apprentice technician registration expires on August 31 of each year and is renewable within 30 days after that date if a renewal fee is paid. The amount of the fee is \$15.00. An applicant for registration under this subsection must submit proof of a sponsoring employer for initial or renewal registration.

(6) Except as otherwise provided in subsection (5) or (7), a license expires on December 31 of each year and is renewable not more than 60 days after that date if an application is submitted and the appropriate fee is paid. After March 1 of each year or after March 1 of the renewal year in the case of electrical contractors, fire alarm contractors, or sign specialty contractors, a license that is not renewed is void and the contractor may only be relicensed if an application for relicensure is submitted and the appropriate license fee for the appropriate class is paid.

(7) A license for an electrical contractor, fire alarm contractor, or sign specialty contractor expires December 31 of every third year. A license for an electrical contractor, fire alarm contractor, or sign specialty contractor is renewable not later than on March 1 every third year by submitting an application and paying 1 of the following amounts:

- (a) A fee of \$300.00 by electrical contractors and fire alarm contractors.
- (b) A fee of \$200.00 by sign specialty contractors.

(8) If a person that is applying for an initial contractor's license or for relicensure at a time other than between December 31 and March 1 of the year in which the department issues renewal licenses, the department shall compute and charge the 3-year license fee described in subsection (7) on a yearly pro rata basis beginning in the year of the application until the last year of the 3-year license cycle.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5709 Applicant for licensure; conditions for sitting for examination.**

Sec. 709. An applicant for a license who meets the requirements described in article 2 may sit for an examination if he or she does all of the following, as applicable:

(a) Establishes, in a manner satisfactory to the board, that he or she meets the experience requirement or an equivalent of that experience requirement for the particular class of licensure by submitting a notarized statement from current and past employers.

(b) For an applicant for a fire alarm specialty license, establishes, in a manner satisfactory to the board, that he or she meets the certification level under the standards of the National Institute for Certification in Engineering Technology, or the equivalent as determined by the board, at the level required for the particular class of fire alarm specialty licensure.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5711 Electrical contractor's license; requirements.**

Sec. 711. The department shall issue an electrical contractor's license to a person that meets the requirements described in article 2 and either of the following:

- (a) Is an individual who holds a master electrician's license.
- (b) Has at least 1 full-time employee who is a master electrician, resides in this state, and is actively in charge of and responsible for Michigan electrical code compliance of all installations of electrical wiring and equipment.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

**339.5713 Master electrician's license; requirements; failure to pass examination; using license to meet eligibility requirement for more than 1 electrical contractor's license prohibited; condition of renewal.**

Sec. 713. (1) The department shall issue a master electrician's license to an individual who is at least 22 years old, meets the requirements described in article 2, and meets all of the following:

(a) Has at least 12,000 hours of experience that was obtained over a period of 6 years or more, is related to electrical construction, the maintenance of buildings, or electrical wiring or equipment, and was performed under the supervision of a master electrician.

(b) Has held an electrical journeyman's license for at least 2 years.

(2) If he or she fails to pass the master electrician examination 2 times within a period of 2 years, an applicant is ineligible to sit for another examination for at least 1 year from the date of failure of the second examination. After that 1-year period, he or she is again eligible to sit for a master electrician examination if he or she presents to the board proof of the successful completion of a course on Michigan electrical code, electrical fundamentals, or electrical theory approved by the board.

(3) A holder of a master electrician's license cannot be used to meet the eligibility requirement described in section 711(a) or (b) for more than 1 electrical contractor's license.

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

**History:** 2016, Act 407, Eff. Apr. 4, 2017;—Am. 2018, Act 151, Eff. Aug. 14, 2018.

**339.5715 Electrical journeyman's license; requirements; affidavit stating amount of experience; failure to pass examination; condition of renewal.**

Sec. 715. (1) The department shall issue an electrical journeyman's license to any individual who is at least 20 years old, meets the requirements described in article 2, and meets either of the following:

(a) 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 who is licensed under this article.

(b) While on active duty in 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:

(i) General knowledge of the electrical trade, including terminology and the ability to make practical calculations.

(ii) The determination of system and circuit grounding and design and use requirements for grounding, including choosing proper size grounding conductors.

(iii) Knowledge of circuit classifications and ratings and design and use requirements for circuits, including branch circuit loads.

(iv) The determination of ampacity, type of insulation, usage requirements, methods of installation, protection, support, and termination.

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

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

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

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

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

(x) 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)(b) 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)(b)(i) to (x), 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)(b)(i) to (x) 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)(a) 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. After that 1-year period, he or she is again eligible to sit for an electrical journeyman's license if he or she presents to the board proof of the successful completion of a course on Michigan electrical code, electrical fundamentals, or electrical theory approved by the board.

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

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5717 Apprentice electrician; registration; form; certificate of registration; participation in apprenticeship training program; ratio; approval of apprenticeship training program.**

Sec. 717. (1) An individual who is employed as an apprentice electrician shall register with the board on a form provided by the board within 30 days after employment.

(2) The department shall issue a certificate of registration to an individual who is seeking registration under this section if it receives satisfactory proof of the individual's participation in an apprenticeship training program that is approved by the board under subsection (4).

(3) The ratio of electrical journeymen or master electricians to registered apprentice electricians shall be on the basis of 1 electrical journeyman or master electrician to no more than 3 registered apprentice electricians. The department or an enforcing agency shall enforce the ratio on a jobsite basis.

(4) For the purposes of this section, the board shall approve any bona fide apprenticeship training program that complies with subsection (3) and, excluding any requirements related to jobsite ratios that are inconsistent with subsection (3), is equivalent to or exceeds the requirements of those imposed by the Office of Apprenticeship in the United States Department of Labor.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5719 Fire alarm contractor's license; requirements.**

Sec. 719. Subject to section 731(3), the department shall issue a fire alarm contractor's license to a person that meets the requirements described in article 2 and meets either of the following:

(a) Is an individual who holds a fire alarm specialty technician's license.

(b) Has at least 1 full-time employee who is a fire alarm specialty technician, resides in this state, and is actively in charge of and responsible for Michigan electrical code compliance of all installations of fire alarm system wiring and equipment.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5721 Fire alarm specialty technician's license; requirements; renewal; use to meet requirements for more than 1 license prohibited.**

Sec. 721. (1) Subject to section 731(3), the department shall issue a fire alarm specialty technician's license to an individual who is at least 20 years old, meets the requirements described in article 2, and is certified by the National Institute for Certification in Engineering Technology as an associate engineering technician, level II, or holds an equivalent certification in the field of fire alarm systems technology as determined by the board.

(2) As a condition of renewal of a fire alarm specialty technician's license, the fire alarm specialty technician must demonstrate the successful completion of a course, approved by the board, concerning any update or change in the state construction code relating to fire alarm systems within 12 months after the update or change in that code. This requirement applies only during or after those years that the state construction code is updated or changed.

(3) A holder of a fire alarm specialty technician's license cannot be used to meet the eligibility requirement described in section 719(a) or (b) for more than 1 fire alarm contractor's license.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5723 Fire alarm specialty apprentice technician; registration; form; certificate of**



**registration; participation in apprenticeship training program; ratio.**

Sec. 723. (1) An individual who is employed as a fire alarm specialty apprentice technician must register with the board on a form provided by the board within 30 days after the date he or she is employed.

(2) The department shall issue a certificate of registration to an individual seeking registration if it receives satisfactory proof of the individual's participation in a bona fide apprenticeship training program approved by the board.

(3) The ratio of fire alarm specialty technicians to registered fire alarm specialty apprentice technicians shall be on the basis of 1 fire alarm specialty technician to 2 registered fire alarm specialty apprentice technicians. The department or an enforcing agency shall enforce the ratio on a jobsite basis.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

**339.5725 Specialty license not required.**

Sec. 725. A person that holds a valid electrical contractor's license, master electrician's license, electrical journeyman's license, or apprentice electrician's registration is not required to hold any specialty licenses in order to perform specialty installations.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

**339.5727 Sign specialty contractor's license; requirements; failure to pass examination; condition of renewal; license not required.**

Sec. 727. (1) Subject to section 731(5), the department shall issue a sign specialty contractor's license to a person that does all of the following:

(a) Meets the requirements described in article 2.

(b) Meets 1 of the following:

(i) Is an individual who holds a sign specialist's license.

(ii) Has at least 1 full-time employee who is a sign specialist, resides in this state, and is actively in charge of and responsible for Michigan electrical code compliance of all installations, maintenance, connection, and repair of electric signs and related wiring.

(c) Provides evidence of public liability insurance coverage.

(2) A licensed electrical contractor is not required to have a sign specialty.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

**339.5729 Sign specialist's license; issuance; failure to pass examination; condition of renewal; license not required.**

Sec. 729. (1) The department shall issue a sign specialist's license to an individual who meets all of the following:

(a) Is at least 18 years old.

(b) Meets the requirements described in article 2.

(c) Has at least 4,000 hours of experience, obtained over a period of at least 2 years, related to the manufacture, installation, maintenance, connection, or repair of electric signs and related wiring, as verified by a contractor that is licensed under this article that is the current employer of the applicant. The individual may obtain the hours of experience required under this subdivision from multiple employers; and if the board determines that he or she has completed education that is equivalent to the work experience described in this subdivision, the department shall credit the number of hours of equivalent education that the individual completed, as determined by the board, toward the hours of experience required under this subdivision.

(d) Demonstrates the successful completion of a course concerning the installation, maintenance, connection, or repair of electric signs and related wiring as contained in the sign electrician's workbook published by the American Technical Publishers, Inc. or any other course designed to address the installation, maintenance, connection, or repair of electric signs and related wiring, as approved by the board.

(2) If an applicant fails to pass the sign specialist examination 2 times within a period of 2 years, the applicant is ineligible to sit for another examination until he or she presents to the board proof of the successful completion of a course on the Michigan electrical code and electrical fundamentals approved by the board.

(3) As a condition of renewal of a sign specialist's license, the sign specialist must demonstrate the successful completion of a course, approved by the board, concerning any update or change in applicable sections of the state construction code within 12 months after the update or change in that code. This requirement applies only during or after those years that the state construction code is updated or changed.

(4) A licensed master electrician, journeyman electrician, or apprentice electrician is not required to hold a sign specialist's license to perform those work activities.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

**339.5731 Installation of electrical wiring; permit; charitable organization exception; erection, installation, alteration, repair, service, or maintenance of fire alarm system or electric signs; license required; sign specialty licensure of individual licensed in another state.**

Sec. 731. (1) Except as otherwise provided in section 737, only an individual who is licensed under this article shall install electrical wiring. In a municipality where inspection service is provided, a person shall obtain a permit from the board or municipality that has jurisdiction.

(2) If electrical wiring is installed without compensation by a person that is licensed under this article for or on behalf of a charitable organization, the owner of the property on which the work is performed may obtain the permit required under subsection (1). However, the charitable organization exception under this subsection applies only to the reconstruction, renovation, or remodeling of 1- to 4-family dwellings.

(3) Except as otherwise provided in section 737, a person shall not erect, install, alter, repair, service, or maintain fire alarm system wiring, devices, appliances, or equipment in a building or structure without a license.

(4) Except as otherwise provided in section 737, a person shall not install, connect, repair, or maintain electric signs and related wiring without a license.

(5) Notwithstanding any other provisions of this article and after a proper application is submitted and the appropriate fees paid, the board and department shall issue a license without examination to an individual seeking sign specialty licensure if he or she is licensed, registered, or otherwise regulated in another state and the board determines that the standards in the other state meet or exceed the standards imposed in this article.

**History:** 2016, Act 407, Eff. Apr. 4, 2017;—Am. 2018, Act 151, Eff. Aug. 14, 2018.

**339.5733 Applicability of article to municipality; definitions.**

Sec. 733. (1) Except as otherwise provided in this section, this article does not apply in the jurisdiction of a municipality that adopts or has adopted an ordinance that does all of the following:

(a) Provides standards for the examination and licensing of master electricians, electrical or specialty contractors, electrical journeymen, sign specialists, and fire alarm specialty technicians and the registration of apprentice electricians and fire alarm specialty apprentice technicians that are at least as stringent as those established in this article.

(b) Provides for enforcement that is substantially similar to this article.

(c) Provides for civil and criminal penalties and a citation system for minor violations substantially similar to article 5.

(d) Provides for the inspection of electrical wiring and equipment.

(2) This article shall not be construed as limiting the power of a municipality to enact an ordinance described in subsection (1), to provide for the licensing of persons as electrical or specialty contractors that have a place of business located in the municipality, or to provide for the licensing of journeymen electricians, sign specialists, or fire alarm specialty technicians who reside in the municipality, except that the ordinance shall not require any of the following:

(a) The procurement of a license or permit to execute any class of work specified in section 737(3)(c), (d), (e), or (f).

(b) The procurement of a permit by a provider to install, maintain, replace, or service any electrical wiring, equipment, or devices associated with a business monitoring system, a home monitoring system, or a low-voltage electric fence.

(c) The procurement of a license or permit by a provider to install, maintain, replace, or service a security alarm system.

(d) The procurement of public liability insurance in excess of the coverage required under this article.

(e) That an individual be licensed with, register with, or obtain the approval of the municipality or of the municipality's licensing board to participate in an apprenticeship or training program.

(3) A license or registration issued by the board under this article and licenses issued by a municipality that has standards for licensing at least as stringent as those established by the board shall be recognized by all municipalities.

(4) A municipality that provides for electrical inspection by local ordinance may require all electrical or specialty contractors, sign specialists, fire alarm specialty technicians, and classes of electricians doing work in the municipality to register in accordance with its local ordinance.

(5) Municipal registration requirements shall be reciprocal between the municipalities and between municipalities and the board as to registration requirements and fees, except that licensed electrical journeymen, sign specialists, and fire alarm specialty technicians are not required to register to work in

municipalities under the jurisdiction of the board. A municipality shall officially recognize a license or registration issued under this article for purposes of its ordinance.

(6) As used in this section:

(a) "Business monitoring system" means a device or an assembly of equipment and devices, less than 50 volts, that allows a business to remotely monitor its business premises through audio, video, or sensor detection systems. A business monitoring system does not include a fire alarm system or a life safety system designed to protect and evacuate building occupants in the event of emergencies such as fire, smoke, or power outages.

(b) "Home monitoring system" means a device or an assembly of equipment and devices that allows individuals to remotely monitor their home through audio, video, or sensor detection systems and that may allow them to remotely control the home's environment, including, but not limited to, controlling temperature, humidity, lighting, doors, or locks.

(c) "Low-voltage electric fence" means an alarm system that consists of a fence structure and an energizer that produces an electric charge on contact with the fence structure and meets all of the following:

(i) The low-voltage electric fence is installed in a location that is zoned for nonresidential use.

(ii) The energizer is powered by a commercial storage battery that does not exceed 12 volts.

(iii) The electric charge produced by the low-voltage electric fence upon contact does not exceed energizer characteristics set forth in paragraph 22.108 and depicted in figure 102 of international electrotechnical commission standard, IEC 60335-2-76, current edition.

(d) "Provider" means a system provider that is registered under the security alarm systems act, 2012 PA 580, MCL 338.2181 to 338.2187, or a security alarm system contractor that is licensed under the private security business and security alarm act, 1968 PA 330, MCL 338.1051 to 338.1092.

(e) "Security alarm system" means that term as defined in section 2 of the security alarm systems act, 2012 PA 580, MCL 338.2182, or section 2 of the private security business and security alarm act, 1968 PA 330, MCL 338.1052.

**History:** 2016, Act 407, Eff. Apr. 4, 2017;—Am. 2017, Act 125, Eff. Jan. 15, 2018;—Am. 2018, Act 331, Imd. Eff. July 2, 2018;—Am. 2018, Act 441, Eff. Mar. 21, 2019.

### **339.5735 Ordinance requiring application to and licensing by board.**

Sec. 735. A municipality that provides standards for electrical wiring and for inspection and licensing under section 733 may require by ordinance that all electrical or specialty contractors, master electricians, fire alarm specialty technicians, sign specialists, and electrical journeymen that are within its licensing jurisdiction must apply to and be licensed by the board under this article.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

### **339.5737 Electrical contracting; license required; classes of work.**

Sec. 737. (1) Except as otherwise provided in this article or in subsection (3), a person shall not engage in the business of electrical contracting unless the person has received from the board or from the appropriate municipality an electrical contractor's license.

(2) Except as otherwise provided in this article or in subsection (3), an individual, other than an individual who is licensed under this article and employed by and working under the direction of a holder of an electrical contractor's license, shall not in any manner undertake to execute any electrical wiring.

(3) A licensee is not required to perform any of the following classes of work:

(a) Minor repair work.

(b) The installation, alteration, repairing, rebuilding, or remodeling of elevators, dumbwaiters, escalators, or man lifts performed under a permit issued by an elevator inspection agency of this state or a municipality of this state.

(c) The installation, alteration, or repair of electrical equipment and its associated wiring installed on the premises of consumers or subscribers by or for an electrical energy supply or communication agency for use by that agency in the generation, transmission, distribution, or metering of electrical energy or for the operation of signals or transmission of intelligence.

(d) The installation, alteration, or repair of electrical wiring for the generation and primary distribution of electric current, or the secondary distribution system up to and including the meters, if that work is an integral part of the system owned and operated by an electric light and power utility in rendering its duly authorized service.

(e) Any work involved in the manufacture of electric equipment, including the testing and repairing of that manufactured equipment.

(f) The installation, alteration, or repair of equipment and its associated wiring for the generation or



distribution of electric energy for the operation of signals or transmission of intelligence if that work is performed in connection with a communication system owned or operated by a telephone or telegraph company in rendering its authorized service as a telephone or telegraph company.

(g) Any installation, alteration, or repair of electrical equipment by a homeowner in a single family home and accompanying outbuildings owned and occupied or to be occupied by the individual who is performing the installation, alteration, or repair of electrical equipment.

(h) Any work involved in the use, maintenance, operation, dismantling, or reassembling of motion picture and theatrical equipment used in any building with approved facilities for entertainment or educational use and that has the necessary permanent wiring and floor and wall receptacle outlets designed for the proper and safe use of that theatrical equipment, but not including any permanent wiring.

(i) Work performed by a person that is licensed as a mechanical contractor in a classification described in section 807(2)(a), (b), (d), (e), and (f), a person that is licensed as a plumbing contractor under article 11, and employees of those persons, while performing maintenance, service, repair, replacement, alteration, modification, reconstruction, or upgrading of control wiring circuits and electrical component parts in existing mechanical systems defined in the Michigan mechanical code and the Michigan plumbing code, including, but not limited to, energy management systems, relays and controls on boilers, water heaters, furnaces, air conditioning compressors and condensers, fan controls, thermostats and sensors, and all interconnecting wiring associated with the mechanical systems in buildings that are on the load side of the unit disconnect, that is located on or immediately adjacent to the equipment, except for life safety systems wiring.

(j) Electrical wiring associated with the installation, removal, alteration, or repair of a water well pump on a single family dwelling to the first point of attachment in the house from the well, by a pump installer registered under part 127 of the public health code, 1978 PA 368, MCL 333.12701 to 333.12771.

(k) The installation, maintenance, or servicing of security alarm systems in a building or structure. As used in this subdivision, "security alarm system" means that term as defined in section 733(2)(c).

(l) The installation, maintenance, or servicing of listed residential and commercial lawn irrigation equipment, except any permanent wired connections exceeding 30 volts.

(m) The installation, maintenance, or servicing of listed landscape lighting systems and equipment, except any permanent wired connections exceeding 30 volts.

(n) The installation, alteration, maintenance, or repair of electric signs and related wiring by an unlicensed individual under the direct supervision of a licensed sign specialist except that the ratio of unlicensed individuals engaged in this activity shall not exceed 2 unlicensed individuals to 1 licensed sign specialist. An enforcing agency shall enforce this ratio on a jobsite basis.

(o) The construction, installation, maintenance, repair, and renovation of telecommunications equipment and related systems by a person that is primarily engaged in the telecommunications and related information systems industry. This exemption does not include the construction, installation, maintenance, repair, or renovation of a fire alarm system.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.

**Compiler's note:** In subsection (3), the reference to "A licensee" evidently should read "A license".

### **339.5739 Responsibility or liability.**

Sec. 739. (1) This article shall not be construed to relieve from or lessen the responsibility or liability of any party owning, operating, controlling, or installing any electric wiring, device, appliance, or equipment for damages to persons or property caused by any defect in that wiring, device, appliance, or equipment.

(2) The state of Michigan shall not be held as assuming any responsibility or liability described in subsection (1) by reason of an inspection or examination authorized under this article, the issuance of a certificate of approval, or the issuance of a license or certificate under this article.

**History:** 2016, Act 407, Eff. Apr. 4, 2017.