

[REPUBLIC ACT NO. 9292, April 17, 2004]

**AN ACT PROVIDING FOR A MORE RESPONSIVE AND
COMPREHENSIVE REGULATION FOR THE REGISTRATION,
LICENSING AND PRACTICE OF PROFESSIONAL ELECTRONICS
ENGINEERS, ELECTRONICS ENGINEERS AND ELECTRONICS
TECHNICIANS, REPEALING REPUBLIC ACT NO. 5734,
OTHERWISE KNOWN AS "THE ELECTRONICS AND
COMMUNICATIONS ENGINEERING ACT OF THE PHILIPPINES,"
AND FOR OTHER PURPOSES**

*Be it enacted by the Senate and House of Representatives of the Philippines in
Congress assembled:*

ARTICLE I

GENERAL PROVISIONS

SECTION 1. *Short Title.* — This Act shall be known as the "Electronics Engineering Law of 2004."

SEC. 2. *Statement of Policy.* — The State recognizes the importance of electronics engineering in nation building and development. The State shall therefore develop and nurture competent, virtuous, productive, and well-rounded Professional Electronics Engineers, Electronics Engineers and Electronics Technicians whose standards of practice and service shall be excellent, qualitative, world-class and globally competitive, through inviolable, honest, effective and credible licensure examinations and through regulatory measures, programs and activities that foster their integrity, continuing professional education, development and growth.

SEC. 3. *Definition and Interpretation of Terms.* — As used in this Act, the following terms shall mean:

- a. Electronics - the science dealing with the development and application of devices and systems involving the flow of electrons or other carriers of electric charge, in a vacuum, in gaseous media, in plasma, in semiconductors, in solid-state and/or in similar devices, including, but not limited to, applications involving optical, electromagnetic and other energy forms when transduced or converted into electronic signals.
- b. Professional Electronics Engineer - a person who is qualified to hold himself/herself out as a duly registered/licensed Professional Electronics Engineer under this Act and to affix to his/her name the letters "PECE."
- c. Electronics Engineer - a person who is qualified to hold himself/herself out as a duly registered/licensed Electronics Engineer under this Act and to affix to his/her name the letters "ECE."

- d. Electronics Technician - a person who is qualified to hold himself/herself out as a duly registered/licensed Electronics Technician under this Act and to affix to his/her name the letters "ECT"
- e. Electronics and Communications Engineer - a person who is qualified to hold himself/herself out as a duly-registered/licensed Electronics and Communications Engineer under Republic Act No. 5734.
- f. Computer - any of a variety of electronic devices that is capable of accepting data, programs and/or instructions, executing the programs and/or instructions to process the data and presenting the results.
- g. Information and Communications Technology - the acquisition, production, transformation, storage and transmission/reception of data and information by electronic means in forms such as vocal, pictorial, textual, numeric or the like; also refers to the theoretical and practical applications and processes utilizing such data and information.
- h. Communications - the process of sending and/or receiving information, data, signals and/or messages between two (2) or more points by radio, cable, optical wave guides or other devices and wired or wireless medium.
- i. Telecommunications - any transmission, emission or reception of voice, data, electronic messages, text, written or printed matter, fixed or moving pictures or images, words, music or visible or audible signals or sounds, or any information, intelligence and/or control signals of any design/format and for any purpose, by wire, radio, spectral, visual/optical/light, or other electronic, electromagnetic and technological means.
- j. Broadcast, Broadcasting - an undertaking the object of which is to transmit audio, video, text, images or other signals or messages for reception of a broad audience in a geographical area via wired or wireless means.
- k. Industrial Plant - includes all manufacturing establishments and other business endeavors where electronic or electronically-controlled machinery or equipment are installed and/or are being used, sold, maintained, assembled, manufactured or operated.
- l. Commercial Establishment - shall include but not limited to office buildings, hotels, motels, hospitals, condominiums, stores, apartments, supermarkets, schools, studios, stadia, parking areas, memorial chapels/parks, watercraft and aircraft used for business or profit, and any other building/s or area/s for business purposes, where electronic or electronically-controlled machinery or equipment are installed and/or are being used, sold, maintained, assembled, manufactured or operated.
- m. Consulting Services - as used in this Act, shall include services requiring adequate technical expertise, experience and professional capability in undertaking advisory and review, pre-investment or feasibility studies, design, planning, construction, supervision, management and related services, and other technical studies or special studies in the field of electronics engineering.
- n. Accredited Professional Organization - the integrated and accredited national organization of Professional Electronics Engineers, Electronics Engineers and Electronics Technicians.

SEC. 4. *Categories of Practice.* — The following shall be the engineering and technician categories covered by this Act:

- a. Professional Electronics Engineer (PECE)
- b. Electronics Engineer (ECE)
- c. Electronics Technician (ECT)

SEC. 5. Nature and Scope of Practice of Electronics Engineering and Electronics Technician Professions. —

- a. The scope and nature of practice of Electronics Engineer shall embrace and consist of any work or activity relating to the application of engineering sciences and/or principles to the investigation, analysis, synthesis, planning, design, specification, research and development, provision, procurement, marketing and sales, manufacture and production, construction and installation, tests/measurements/control, operation, repair, servicing, technical support and maintenance of electronic components, devices, products, apparatus, instruments, equipment, systems, networks, operations and processes in the fields of electronics, including communications and/or telecommunications, information and communications technology (ICT), computers and their networking and hardware/firmware/software development and applications, broadcast/broadcasting, cable and wireless television, consumer and industrial electronics, electro-optics/photonics/opto-electronics, electro-magnetics, avionics, aerospace, navigational and military applications, medical electronics, robotics, cybernetics, biometrics and all other related and convergent fields; it also includes the administration, management, supervision and regulatory aspects of such works and activities; similarly included are those teaching and training activities which develop the ability to use electronic engineering fundamentals and related advanced knowledge in electronics engineering, including lecturing and teaching of technical and professional subjects given in the electronics engineering and electronics technician curriculum, and licensure examinations.
- b. The scope and nature of practice of the Professional Electronics Engineer shall embrace and consist of all of the above plus the sole authority to provide consulting services as defined in this Act and to sign and seal electronics plans, drawings, permit applications, specifications, reports and other technical documents prepared by himself/herself and/or under his direct supervision.
- c. The scope and nature of practice of the Electronics Technician profession shall embrace and consist of any non-engineering work or activity relating to the installation, construction, operation, control, test and measurements, diagnosis, repair and maintenance, manufacture and production, sales and marketing of any electronic component/s, device/s, products, apparatus, instruments, equipment, system/s, network/s, operations and processes located on land, watercraft, aircraft, industrial plants or commercial establishments, including the teaching and training of technical and professional subjects given in the electronics technician curriculum and licensure examinations.

ARTICLE II

PROFESSIONAL REGULATORY BOARD OF ELECTRONICS ENGINEERING

SEC. 6. Composition of the Board. — There is hereby created a Professional Regulatory Board of Electronics Engineering, hereinafter referred to as the Board, under the administrative control and supervision of the Professional Regulation Commission, hereinafter referred to as the Commission, composed of a chairman and two (2) members who shall be appointed by the President of the Philippines from the three (3) recommendees per position chosen and ranked by the Commission, which recommendees shall in turn be chosen from the five (5) nominees for each position submitted by the accredited professional organization, in

accordance with rules and regulations presently in existence or that may be promulgated for such purpose.

SEC. 7. *Powers and Functions of the Board.* — The Board is vested with the authority to:

- a. Administer/Implement the provisions of this Act;
- b. Administer oaths in connection with the administration of this Act;
- c. Adopt an official seal of the Board;
- d. Issue, suspend or revoke Certificates of Registration and accordingly the Professional Identification Cards of Professional Electronics Engineers, Electronics Engineers or Electronics Technicians, or otherwise suspend the holder thereof from the practice of his/her profession, for any justifiable cause and after due process;
- e. Maintain a roster of Professional Electronics Engineers, Electronics Engineers and Electronics Technicians;
- f. Issue, suspend and/or cancel special permits to foreign Professional Electronics Engineers, Electronics Engineers or Electronics Technicians in accordance with the provisions of this Act;
- g. Prescribe, amend or revise the requirements for licensing of Professional Electronics Engineers, and prepare, adopt and issue the syllabi of the subjects for the licensure examination for Electronics Engineers and Electronics Technicians, and prepare the questions therefore, in strict conformance with the scope of the syllabi;
- h. Adopt a program for the full computerization of the licensure examination;
- i. Grant registration without examination, subject to review and approval by the Commission, in accordance with the provisions of this Act;
- j. Study, examine and recommend, in coordination with the Commission on Higher Education (CHED) and the Technical Education and Skills Development Authority (TESDA), and in consultation with other concerned government entities and the accredited professional organization, the essential requirements as to curricula and facilities of schools, colleges or universities, seeking permission to open courses or programs or already offering courses or programs in electronics engineering, electronics technician and related courses or programs and to see to it that these requirements, including employment of qualified faculty members, are properly complied with: *Provided*, That within three (3) years after the effectivity of this Act, the Board shall, in coordination with the CHED, TESDA and in consultation with other concerned government entities and the accredited professional organization, review and define/re-define the curricula for electronics engineering, electronics technician and/or allied courses or programs for the purpose of re-aligning, revising and/or consolidating the same and/or otherwise defining the minimum requirements by means of which graduates of related or allied courses or programs can qualify to take the Electronics Engineer and Electronics Technician licensure examinations;
- k. Inspect educational institutions and based on their findings thereon, recommend to the CHED and/or the TESDA and/or other government entities concerned with the granting of school permits or authorization, the opening, improvement/upgrading or closure of colleges or schools and universities offering electronics engineering and electronics technician courses or programs;

- l. Adopt and administer a Code of Ethics and a Code of Technical Standards of Practice for Professional Electronics Engineers, Electronics Engineers and Electronics Technicians in the Philippines;
- m. Promulgate rules and regulations on the scope of practice of Professional Electronics Engineers, Electronics Engineers and Electronics Technicians;
- n. Promulgate a program for continuing professional education and/or development of Professional Electronics Engineers, Electronics Engineers and Electronics Technicians;
- o. Prescribe the minimum manning and manpower requirements for Professional Electronics Engineers, Electronics Engineers and Electronics Technicians in industrial plants and commercial establishments for purposes of ensuring compliance with the provisions of this Act and all other ordinances, laws, rules and regulations that may be enacted hereinafter;
- p. Formulate, prescribe and adopt such rules and regulations for electronics installations in industrial plants, commercial establishments and other buildings or structures covered by the National Building Code of the Philippines, in coordination with the Department of Public Works and Highways (DPWH), other concerned government agencies, representatives of industry and the Accredited Professional Organization;
- q. Study the conditions affecting the Professional Electronics Engineering, Electronics Engineering and Electronics Technician Professions in the Philippines, and whenever necessary, exercise the powers conferred by this and other Acts, and adopt such measures as may be deemed proper for the enhancement and advancement of the professions and/or the maintenance of high professional, ethical and technical standards, and for this purpose, the Board may personally or through subordinate employees of the Commission or member/s of the Accredited Professional Organization, duly authorized by the Board and approved by the Commission, conduct ocular inspection or visit industrial plants and commercial establishments where Professional Electronics Engineers, Electronics Engineers and Electronics Technicians are employed for the purpose of determining compliance with the provisions of law relative thereto, in accordance with established policies promulgated by the Commission;
- r. Hear and decide violations of this Act, its implementing rules and regulations, the Code of Ethics and the Code of Technical Standards of Practice for the profession, and for this purpose, issue *subpoena ad testificandum* and/or *subpoena duces tecum* to secure attendance of witnesses and the production of documents in connection with the charges presented to and/or any investigation pending before the Board;
- s. Delegate the hearing or investigation of administrative cases filed before it to authorized officers of the Commission, except in cases where the issue involved strictly concerns the practice of the Professional Electronics Engineering, Electronics Engineering and Electronics Technician Professions, in which case the hearing shall be presided over by at least one (1) member of the Board assisted by a Legal or Hearing Officer of the Commission;
- t. Promulgate resolutions, orders and/or decisions on such administrative cases: Provided, That such resolutions, orders and/or decisions shall be subject to appeal within fifteen (15) days from receipt thereof with the Commission, which may affirm or reverse the same, dismiss the case, deny the appeal or remand the case to the Board for further action or proceeding: *Provided, further*, That if after fifteen (15) days from the receipt of such decision no