



Republic of the Philippines
Professional Regulation Commission
Manila



PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING

Resolution No. **01**
Series of 2020

PROFESSIONAL REGULATORY BOARD OF ELECTRONICS ENGINEERING

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**JOINT RESOLUTION ON THE SCOPE OF ELECTRICAL ENGINEERING
AND ELECTRONICS ENGINEERING PROFESSIONAL PRACTICE**

WHEREAS, Republic Act (RA) No. 7920, as amended, or the New Electrical Engineering Law was passed into law on February 24, 1995;

WHEREAS, RA No. 9292 or the Electronics Engineering Law was passed into law on April 17, 2004;

WHEREAS, Section 2 (a) of RA No. 7920 provides for the scope of electrical engineering practice, viz:

(a) "Practice of electrical engineering" a person is deemed to be in the practice of electrical engineering when he renders or offers to render professional electrical engineering service in the form of:

(1) Consultation, investigation, valuation and management of services requiring electrical engineering knowledge;

(2) Design and preparation of plans, specifications and estimates for electric power systems, power plants, power distribution systems including power transformers, transmission lines and network protection, switchgear, building wiring electrical machines, equipment and others;

(3) Supervision of erection, installation, testing and commissioning of power plants, substations, transmission lines, industrial plants and others;

(4) Supervision of operation and maintenance of electrical equipment in power plants, industrial plants, watercrafts, electric locomotives and others;

(5) Supervision of the manufacture and repair of electrical equipment including switchboards, transformers, generators, motors, apparatus and others;

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(6) Teaching of electrical engineering professional subjects; and

(7) Taking charge of the sale and distribution of electrical equipment and systems requiring engineering calculations or applications of engineering data.

WHEREAS, Section 5 of RA No. 9292 states that the scope and nature of practice of Electronics Engineer shall:

(a) xxx 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.

WHEREAS, based on pertinent provisions of RA No. 7920 and RA No. 9292, electrical engineers are allowed to design and prepare plans, specifications and estimates for electric power systems, power plants, power distribution systems including power transformers, transmission lines and network protection, switchgear, building wiring electrical machines, equipment and others while electronics engineers are permitted to, among others, plan and design electronic components, devices, products, apparatus, instruments, equipment, systems, networks, operations and processes in the fields of electronics;

WHEREAS, Section 3 (a) of RA No. 9292 defines electronics as 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;

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WHEREAS, request for clarification was received regarding perceived overlaps in the fields of practice of both Electrical Engineering and Electronics Engineering as allegedly reflected on the Philippine Electrical Code (PEC), viz:

1. *Article 1.2.3.1 requiring fire alarm system to be included in electrical documents;*
2. *Article 1.0.1.6 limiting electronics systems to electrical engineers;*
3. *Article 6.40 audio signal processing and reproduction equipment;*
4. *Article 7.7 fiber optics and raceways;*
5. *Article 8.2 CATV and radio distribution system;*
6. *Article 8.3 Network-Powered Broadband Communications Systems;*
7. *Article 8.4 premises powered broadband communication systems*

WHEREAS, the Professional Regulatory Board of Electrical Engineering (PRB-EE) adopted the PEC bearing in mind the scope of their practice in accordance with RA No. 7920;

WHEREAS, the primary objective of the Code is to establish basic materials quality and best engineering works standards and practices for safety and life protection. It should not be construed as the governing law of all scope of practice of a particular profession;

WHEREAS, it is a rule in statutory construction that every part of the statute must be interpreted with reference to the context, i.e., that every part of the statute must be considered together with the other parts, and kept subservient to the general intent of the whole enactment;¹

WHEREAS, applying said principle, the articles and provisions of the PEC must not be perused in truncated parts or be taken as detached and isolated expressions but must be read in relation to the whole RA No 7920 and the PEC in order to produce a harmonious whole. Any irreconcilable conflict arising therefrom must be resolved towards the provisions of the regulatory law which is superior than the Code;

WHEREAS, several meetings were held between the PRB-EE and Professional Regulatory Board of Electronics Engineering (PRB-ECE) to discuss the professional practice of both disciplines and on separate dates,² both Boards consulted their respective accredited integrated professional organizations (AIPOs);

WHEREAS, both regulatory Boards received position papers from their stakeholders and were discussed during the said consultations;

WHEREAS, both regulatory Boards then again convened on November 5, 2020 to evaluate the position papers and yielded a finding that the scope of professional practice of both disciplines are clear and well-defined in their respective professional regulatory laws;

IN VIEW OF THE FOREGOING, the regulatory Boards jointly **RESOLVE**, as it is so **RESOLVED**, that the delineation criteria of professional practice shall be the domain as provided in RA No. 7920 for Electrical Engineering profession and RA No. 9292 for the Electronics Engineering profession;

¹ Land Bank of the Philippines v. AMS Farming Corporation, G.R. No. 174971. October 15, 2008

² October 29, 2020 PRB-EE with IIEE and October 30, 2020 PRB-ECE with IECEP

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RESOLVED FURTHER, that any encroachment shall be dealt with in accordance with the administrative and penal provisions of both laws. All concerned are encouraged to report these perceived unlawful practice of both professions for proper investigation.

Let copies of this Joint Resolution be furnished the Anti-Red Tape Authority, Accredited Integrated Professional Organizations of the Electrical Engineering and Electronics Engineering professions.

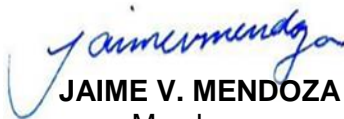
Done this **25th** day of **November** 2020, City of Manila.

PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING



FRANCIS V. MAPILE

Chairman



JAIME V. MENDOZA

Member

Vacant
Member

PROFESSIONAL REGULATORY BOARD OF ELECTRONICS ENGINEERING



ALNAR L. DETALLA

Chairman



HERMINIO J. ORBE

Member



ENRICO CLARO R. DELMORO

Member

ATTESTATION:



Atty. OMAIMAH E. GANDAMRA

OIC, PRB Secretariat Division

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PROFESSIONAL REGULATION COMMISSION



TEOFILO S. PILANDO, JR.
Chairman



YOLANDA D. REYES
Commissioner



JOSE Y. CUETO, JR.
Commissioner