



Republic of the Philippines
Professional Regulation Commission
Manila



PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING

RESOLUTION NO. 10
Series of 2019

PROMULGATION AND ADOPTION OF THE TABLES OF SPECIFICATION FOR
ORAL EXAMINATION/ TECHNICAL EVALUATION FOR THE UPGRADING AS
PROFESSIONAL ELECTRICAL ENGINEERS

WHEREAS, Section 4 (d), Article II of R.A. 7920, known as the “New Electrical Engineering Law” states that the Professional Regulatory Board of Electrical Engineering (Board) may prescribe, amend or revise the requirements for Professional Electrical Engineers, subject to the approval of the Commission;

WHEREAS, Section 16 (d) of R.A. 7920, prescribes one of the qualifications of the applicant for the upgrade to the Professional Electrical Engineer as being a holder of Bachelor of Science in Electrical Engineering (BSEE) and that he/she is a Registered Electrical Engineer with valid certificate of registration and professional license and four (4) years or more of active practice reckoned from the date of his registration as a registered electrical engineer;

WHEREAS, Section 19 of R.A. 7920 states that for the purpose of confirming the service record and clarifying the technical report submitted by the applicant for registration as professional electrical engineer, an oral examination or interview shall be conducted on (1) certified experience record and (2) a technical paper covering an evaluation, an analysis, a study or a critical discussion of an electrical engineering project or subject, on one or several technical aspects such as design, construction, installation, commissioning, testing, operation, maintenance, repair, research and the like. The technical paper shall be supported by engineering principles and data;

WHEREAS, Section 9 (h) of R.A. 8981, called as the “PRC Modernization Act of 2000 empowers the Professional Regulatory Boards to prepare, adopt and issue the Syllabi or Tables of Specification of the subjects for examination in consultation with the academe; determine and prepare the questions for the licensure examinations which shall strictly be within the scope of the syllabus or Tables of Specification (TOS) of the subject for examination;

WHEREAS, the TOS is necessary to guide the Professional Regulatory Board in determining the competencies needed for an examinee to qualify and pass the licensure examination including the oral examination / technical evaluation for upgrading as Professional Electrical Engineer;

WHEREAS, the adoption of the TOS will appropriately incorporate the competencies covering the topics and sub-topics, or areas and sub-areas, or concepts and sub-concepts into the Oral Examination/ Technical Evaluation for the Upgrading as Professional Electrical Engineers;

WHEREFORE, the Board **RESOLVES**, as it is hereby **RESOLVED**, to adopt, promulgate and issue the TOS for the Oral Examination / Technical Evaluation for the Upgrading as Professional Electrical Engineers;

FURTHER RESOLVED, that this Resolution with the attached TOS shall apply starting the next schedule of the Oral Examination / Technical Evaluation for the Upgrading as Professional Electrical Engineers.

This Resolution and its Annex shall take effect fifteen (15) days after its publication in the Official Gazette or in any major daily newspaper of general circulation;

Let a copy hereof be deposited in the U.P. Law Center – Office of the National Administrative Register.

Done in the City of Manila this 28th day of June 2019.



FRANCIS V. MAPILE
Chairman



JAIME V. MENDOZA
Member

Member

ATTESTED BY:



LOVELIKA T. BAUTISTA
Chief, PRB Secretariat Division

APPROVED:



TEOFILO S. PILANDO, JR.
Chairman



YOLANDA D. REYES
Commissioner



JOSEY CUETO, JR.
Commissioner

DATE OF PUBLICATION IN THE
OFFICIAL (GAZETTE): JULY 5, 2019
DATE OF EFFECTIVITY: JULY 21, 2019

TABLE OF SPECIFICATIONS FOR PROFESSIONAL ELECTRICAL ENGINEER'S LICENSURE EXAMINATION				
1.o. EXPERIENCE (30%)		Rating Scale		% Weight
1.1. No. of years of experience	more than 20 years	41-50%	Excellent	50%
	11-20 years	36-50%	Very Good	
	5-10 years	30-35%	Satisfactory	
1.2. Exposure to various fields	Highly exposed	91-100%	Excellent	30%
	Mostly exposed	81-90%	Very Good	
	Good exposure	70-80%	Satisfactory	
	Needs more exposure	69% and below	Needs Improvement	
1.3. Technical Demands of those	Extremely Demanding	91-100%	Excellent	20%
	Highly Demanding	81-90%	Very Good	
	Moderately Demanding	70-80%	Satisfactory	
	Not demanding	69% and below	Needs Improvement	
Sub- Total 1				100%

2.o. ENGINEERING REPORT (35%)						
OUTCOMES	DESCRIPTION	Excellent	Very Good	Satisfactory	Needs Improvement	% Weight
2.1. Compliance with instructions	The applicant is familiar with the IRR of RA 7920, under Rule 14 in order to satisfy the requirements for the submission of Technical Engineering Report.	91-100%	81-90%	70-80%	69% and below	5%
	The Do's and Don't's in the letter of approval is complied with.	91-100%	81-90%	70-80%	69% and below	5%
2.2. Technical Contents and Discussions	The applicant is technically equipped and has the analytical tools that he/she knows how to use.	91-100%	81-90%	70-80%	69% and below	10%
	His/her knowledge, skills and valuation in the power system analysis and electrical engineering principles are truly substantive, therefore, a most proper and responsible disposition as applied in his professional work is evident from the	91-100%	81-90%	70-80%	69% and below	10%
	The applicant shows in his TER, in a very systematic approach, the ability to identify and distinguish between relevant and irrelevant elements of the TER, and focused on the issues or aspects of the problem/issues and concerns that really count.	91-100%	81-90%	70-80%	69% and below	10%
	His/her analysis contains the essential facts and relationships, interpreted them carefully, and established a well thought out conclusions and summary statements.	91-100%	81-90%	70-80%	69% and below	5%
	There is proof that the candidate has added his own intellectual contribution and creativity in tackling the subject matter of his/her TER.	91-100%	81-90%	70-80%	69% and below	5%
	Communication is an essential complement to leadership and initiatives and thus it was shown.	91-100%	81-90%	70-80%	69% and below	6%
2.3. Organization and Presentation	In the applicant's presentation, it included the ability to communicate ideas effectively, convincingly, and in logical order, unity and comprehensibility of the	91-100%	81-90%	70-80%	69% and below	7%
	The flow of thought is easily traceable, with the text and supporting tables, coordination curves, graphs, drawings, plans, single line diagrams, power flows and design analysis, international and local standards, PEC and illustrations facilitated not only the suggested plan of actions but also the readability of the	91-100%	81-90%	70-80%	69% and below	7%
	The applicant came out with fresh, original views, especially on suggestions that are either being implemented already or are still being considered.	91-100%	81-90%	70-80%	69% and below	10%
2.4. Soundness of Conclusions and Recommendations (10%)	The applicant showed a very positively critical of such recommendations and suggestions.	91-100%	81-90%	70-80%	69% and below	10%
	A sound, convincing and well prepared TER showed correct grammars, spelling,	91-100%	81-90%	70-80%	69% and below	10%
2.5. Grammar, Spelling, etc. (10%)		91-100%	81-90%	70-80%	69% and below	10%
Sub-Total 2						100%

3.o INTERVIEW (35%)		Rating Scale				
OUTCOMES	DESCRIPTION	Excellent	Very Good	Satisfactory	Needs Improvement	% Weight
3.1. Punctuality at the appointed time	Observing the prescribed time and date in the Notices and keeping the value of time management	91-100%	81-90%	70-80%	69% and below	5%
3.2. Grasp of the Subject Matter	Demonstrated experience on the field which is not merely based on hands-on situations but on the manner by which the applicant's ability to discern the problems that arises in his daily work.	91-100%	81-90%	70-80%	69% and below	14%
	He/She has shown depth so that he simply does not repeat variants or mistakes, if any; and he/she did approach any subject matter with a critical mind.	91-100%	81-90%	70-80%	69% and below	14%
	There is textual and/or statistical evidence that showed serious and careful thought has been given to various questions	91-100%	81-90%	70-80%	69% and below	12%
3.3. Accuracy in answering technical questions	The applicant showed a clear evidence of the electrical engineering principles, knowledge, and mastery of the TER.	91-100%	81-90%	70-80%	69% and below	12%
	This evidence was found in the objective, executive summary and conclusions and recommendations, and in the innovative ability to interrelate facts, concepts, electrical engineering principles and theories in the overall TER.	91-100%	81-90%	70-80%	69% and below	12%
	All the significant aspects and issues involved, was accurately presented as well as how they bear on the TER topic, and considered in the analysis and	91-100%	81-90%	70-80%	69% and below	11%
3.4. Composure and confidence	The applicant was able to define himself and communicate with utmost confidence, showing calmness in demanding situations such as presentations.	91-100%	81-90%	70-80%	69% and below	5%
	He/She shows an image of self confidence and assertiveness without being offensive during the oral interview.	91-100%	81-90%	70-80%	69% and below	5%
3.5. Verbal Facility	The applicant must showed eloquence in his speech and assertiveness including proper tone, without being offensive.	91-100%	81-90%	70-80%	69% and below	10%
Sub-Total 3						100%
Total Rating						100%
Summary of Ratings	1.o. Experience (30%) 2.o. Technical Engineering Report (35%) 3.o. Interview (35%)	Sub- Total (1.o) x 0.3 Sub-Total (2.o) x 0.35 Sub-Total (3.o) x 0.35				
Passing Rating						70%