RA 10912 CPD ACT OF 2016

BY HON. FRANCIS V. MAPILE CHAIRMAN

PRESENTED TO YOU
ENGR. LYNDON R. BAGUE
FORMER GOVERNOR METRO MANILA REGION
CHAIRMAN, IIEE - CPD COMMITTEE





S. No. 2581 H. No. 6423

Republic of the Philippines

Congress of the Philippines

Metro Manila

Sixteenth Congress

Third Regular Session

Begun and held in Metro Manila, on Monday, the twenty-seventh day of July, two thousand fifteen.

[REPUBLIC ACT No. 10912]

AN ACT MANDATING AND STRENGTHENING THE CONTINUING PROFESSIONAL DEVELOPMENT PROGRAM FOR ALL REGULATED PROFESSIONS, CREATING THE CONTINUING PROFESSIONAL DEVELOPMENT COUNCIL, AND APPROPRIATING FUNDS THEREFOR, AND FOR OTHER RELATED PURPOSES

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

Senate Bill No. 2581, which was approved by the Senate on August 3, 2015, was adopted as an amendment to House Bill No. 6423 by the House of Representatives on May 23, 2016.

MARILYN B. BARUA-YOR

Secretary General House of Representatives Secretary of the Senate

Approved:

BENIGNO S. AQUINO III

President of the Philippines

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Without the signature of the President In accordance with Article VI, Section 27 (1) of the Constitution.



Republic of the Philippines Professional Regulation Commission Manila



PROFESSIONAL REGULATION COMMISSION Resolution No. 1032 Series of 2017

IMPLEMENTING RULES AND REGULATIONS (IRR) OF REPUBLIC ACT NO. 10912, known as the "CONTINUING PROFESSIONAL DEVELOPMENT (CPD) ACT OF 2016"

Pursuant to Section 15 of Article IV of Republic Act No. 10912 known as the "Continuing Professional Development Act", the Professional Regulation Commission (PRC) and the Professional Regulatory Boards (PRB), in consultation with the CPD Councils and their stakeholders, hereby adopt and promulgate this Implementing Rules and Regulations to carry out the provisions of Republic Act No. 10912.

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PROFESSIONAL REGULATION COMMISSION
RESOLUTION NO. 1032

Series of 2017
IMPLEMENTING RULES AND REGULATIONS (IRR) OF REPUBLIC ACT NO. 10912,
known as the "CONTINUING PROFESSIONAL DEVELOPMENT (CPD) ACT OF 2016"

Done in this 15thday of February 2017 in the Manila, Philippines.

TEOFILO S. PILANDO, JR. Chairman

ANGELINE T. CHUA CHIACO
Commissioner

O-OCH/O-OCI/O-OCII/D-LID/CPD-PMC/D-SID/CPD TSP/ATCC/YDR/ELR/GBS/MLMH/MERAQ/ardm

OFFICIAL (GAZETTE): 2-15-17











Republic of the Philippines Professional Regulation Commission Manila

PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING

Resolution No. ___ Series of 2017

OPERATIONAL GUIDELINES IN THE IMPLEMENTATION OF RA 10912, OTHERWISE KNOWN AS "CONTINUING PROFESSIONAL DEVELOPMENT ACT OF 2016" FOR ELECTRICAL ENGINEERS

Let copies hereof be furnished to the U.P. Law Center, Bothe Board Secretary, Standards and Inspection Division Division, all Regional Offices and other involved units of guidance.	n, Legal and Investigation
Done in the City of Manila,this day of	, 2017.
ENGR. FRANCIS V. MAPILE Chairman, PRBEE	
ENGR. JAIME V. MENDOZA Member, PRBEE	
Attested to:	
RESOLUTION NO	
*CONTINUING PROFESSIONAL DEVELOPMENT ACT OF 2018" FOR ELECTRICAL PRACTITIONERS APPROVED BY:	
TEOFILO S. PILANDO, JR. Chairman	
ANGELINE T. CHUA CHIACO	YOLANDA D. REYES

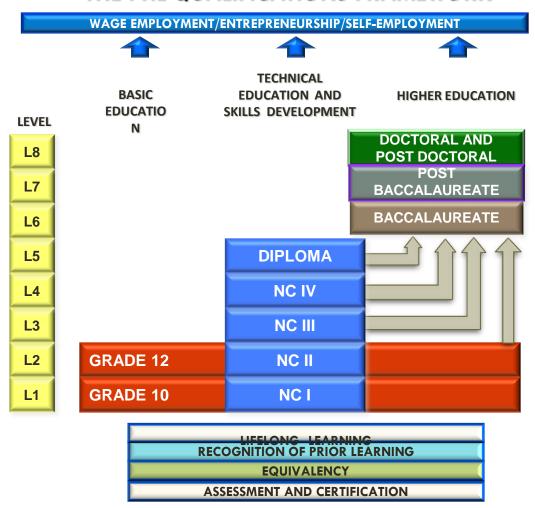
Commissioner



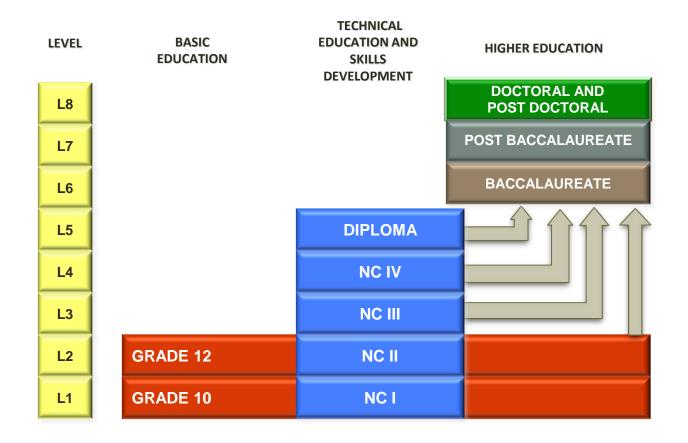


Commissioner

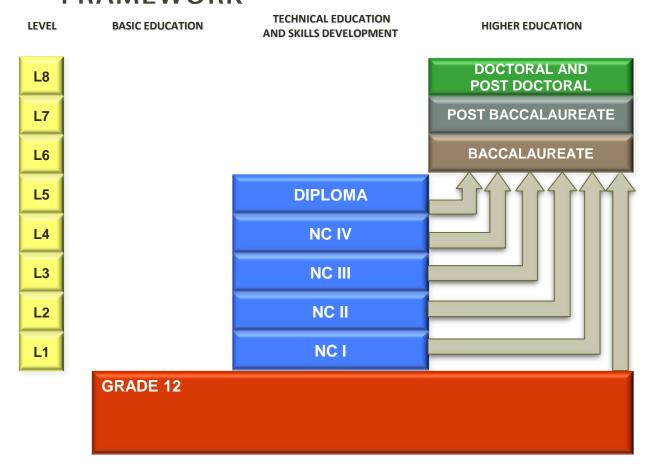
THE PHL QUALIFICATIONS FRAMEWORK



THE PHL QUALIFICATIONS FRAMEWORK



THE PHL QUALIFICATIONS FRAMEWORK



THE PHILIPPINE QUALIFICATIONS FRAMEWORK PATHWAYS/EQUIVALENCIES ACCESS RAMP INFORMAL/ NON-S **FORMAL PCTS FORMAL** Е н **Schematic** Diagram **CHED EQUIVALENCY** G **CERTIFICATION** Н MS E **UMAP** Credit Transfer R **AIMS ETEEAP** D **AUN CERTIFICATION BY** BS D **ACCREDITATION** U C A G NC I-V **RPL Portfolio Assessment** PEPT/ALS 0 A&E **CERTIFICATION BY ACCREDITATION** N **BASIC EDUCATION**

RA 10912 – New CPD Law

ARTICLE I.

Title, Policy and Definition of terms

Section 1-2. Title and Declaration of Policy

Section 3. Definition of Terms

Sec3(a)- Sec3(w)

ARTICLE II.

CPD
Programs,
Council and
Secretariat

Section 4.
Strengthening the CPD
Programs

Sec4(a)- Sec4(e)

Section 5.

Nature of CPD Programs

- 5(a) Formal Learning
- 5(b) Non-Formal Learning
- 5(c) Informal Learning
- 5(d) Self-directed learning
- 5(e) On Line learning activities
- 5(f) Professional work experience

Section 6.

Powers, Functions and Responsibilities of the PRC and PRBs

Sec6(a)- Sec6(e)

Section 7. CPD Council

Section 8.
Powers,
Functions and
Responsibilities
of the CPD
Council

Sec8(a)- Sec8(h)

Section 9. Secretariat

ARTICLE III.

CPD Program Implementation and Monitoring

Section 10. CPD as Mandatory
Requirement in the Renewal of Professional License and Accreditation System for the Practice of Professions.

Section 11 Recognition of Credit Units.

Section 12. Career Progression and Specialization

Section 13. Role of Concerned Govt. Agencies and the Private Sector,

ARTICLE IV.

Final Provision.

Section 14. Funding Section 15.

Implementing Rules and Regulations

Section 16. Fraud Relating to CPD

Section 17. Separability Clause

Section 18. Repealing Clause

Section 19. Effectivity





RA 10912 - CPD Act of 2016

CPD Act of 2016

IRR of RA 10912

OPERATIONAL GUIDELINES IN THE IMPLEMENTATION OF RA 10912, OTHERWISE KNOWN AS "CONTINUING PROFESSIONAL DEVELOPMENT ACT OF 2016" for ELECTRICAL ENGINEERS

Section 15 of Article IV- granting the the PRBEE the authority to prescribe their own requirements or procedures (paraphrased)

Section 1- 12 of the Operational Guidelines





MUTUAL RECOGNITION ARRANGEMENTS

The goal of the MRAs is to facilitate the flow of foreign professional taking into account relevant domestic regulations and market demand conditions.

- MRA on Engineering Services
- MRA on Nursing Services
- MRA on Architectural Services
- MRA on Surveying Qualifications
- MRA on Accountancy
- MRA on Medical Practitioners
- MRA on Dental Practitioners
- MRA on Tourism Professionals

SEC. 5. NATURE OF CPD PROGRAMS. — THE CPD PROGRAMS CONSIST OF ACTIVITIES THAT RANGE FROM STRUCTURED TO NON-STRUCTURED ACTIVITIES, WHICH HAVE LEARNING PROCESSES AND OUTCOMES.

- A. Formal learning;
- B. Non-formal learning;
- C. Informal learning;
- D. Self-directed learning;
- E. Online learning activities; and
- F. Professional work experience.

DEFINITION OF TERMS

- A. Formal learning refers to educational arrangements such as curricular qualifications and teaching-learning requirements that take place in education and training institutions recognized by relevant national authorities, and which lead to diplomas and qualifications;
- B. Non-formal learning refers to learning that has been acquired in addition or alternatively to formal learning, which may be structured and made more flexible according to educational and training arrangements;
- C. Informal learning refers to learning that occurs in daily life assessed, through the recognition, validation and accreditation process, and which can contribute to a qualification;

DEFINITION OF TERMS

- D. Self-directed learning refers to learning activities such as online training, local/international seminars/ non-degree courses, institutions /company-sponsored training programs, and the like, which did not undergo CPD accreditation but may be applied for and awarded CPD units by the respective CPD Council.
- E. Online learning activities refer to structured or unstructured learning initiatives, which make use of the internet and other web-based Information and Communications Technology solutions;
- F. Professional work experience.

PRO	GRAM/ACTIVITY	CREDIT UNITS		SUPPORTING DOCUMENTS			
	1. PROFESSIONAL TRACK - Accredited CPD PROVIDER with approved CPD PROGRAM by CPDC Applicant for PIC renewal must apply 30 days before PIC expiration date						
1.1	PARTICIPANT	Approved CUs for the program	0	Certificate of Attendance and CPD program accreditation number.			
1.2	RESOURCE SPEAKER	5 CUs per hour	0 0 0 0	Certificate or Plaque of Appreciation Copy of Papers/ Presentations Copy of Program Invitation & Confirmation letter Event Photo of Speaker			
1.3	PANELIST/ REACTOR	3 CU per hour	0 0 0 0	Certificate or Plaque of Appreciation Copy of Program Invitation & Confirmation letter Event Photo of Panelist			
1.4	FACILITATOR/ MODERATOR	2 CU per hour	0 0 0	Certification from the accredited CPD Provider Copy of Program Event Photo of Facilitator			
1.5	MONITOR	Twice the number of approved CUs for participant of the program	0 0 0	Monitoring Report Certificate of Appearance signed by CPD Provider Authority to Monitor from PRC Event Photos			

\	LOCAL CONVENTION/ \INTERNATIONAL CONFERENCE HELD IN THE PHILIPPINES		same as 1. 1.5	1 to o same as 1.1 to 1.5	
1.7	INTERNATIONAL CONVENTION/ CONFERENCE/ TRAINING SEMINARS HELD ABROAD	Required to meet the conditions to qua 1. APO of host country Professional organizati member of other organ 2. Has CPD accreditati program and approved by APO of host country	lify: y or ion is a nizations. on CPD CUs	 if participant, copy of the following: official receipt of registration, conference ID, and Certificate of Attendance If speaker or panelist, copy of the following: papers, invitation and confirmation letters, conference ID ar Cert. or Plaque of Appreciation. Copy of program, seminars, schedule calendar of events Learning Objectives or Outcome Travel documents, boarding pass and proof of accommodation. Event Photos or video 	
		panelist particular panelist particular particular per hour indicated in certicular particular part	gate or cipant per CU ed in the ficate if no CU eated)		
1.7.1	INTERNATIONAL / LOCAL ON-LINE COURSES	conditions to qua 1. Courses are accredit approved by the APO o country. 2. Has CPD accreditati program and approved by APO of host country	ed and f host on CPD CUs	Copy of online registration and confirmation Proof of payment or transaction receipt Certificate of completion of online courses with corresponding CUs Learning objectives or outcome Other supporting documents as requested by CPDC.	

	Mosaariachhy	CERDIT UNITS				surror this socialists	
	2. ACADEMIC TRACK – SELF-DIRECTED						
	(Apply by the professional and pay fees with PRC; must apply at least 45 days before PIC expiration date)						
2.1	Post Graduate Diploma	25 CU upon program	completion of	I	nstit	ma/Certification from the ution cript of Records	
2.2	Masteral Degree or Equivalent	45 CU upon degree	completion of		University Certification/Diploma Transcript of Records		
2.3	Doctoral Degree or Equivalent	90 CU upon degree/can	completion of didacy			rsity Certification/Diploma cript of Records	
2.4	Post-Doctoral Associate	4 CU upon c	completion			ication from the granting ution	
2.5	Post-Doctoral Fellow						
2.5.1	Teaching Fellow		4 CU upon complet	tion	0	Certification from the	
2.5.2	Research Fellow		6 CU upon completion			granting institution	
2.6	Professorial Chair		15 CU per year or a fraction thereof		0	Certificate of Grant or Appointment Letter	
2.7	Specialty Program		10 CU per year or a	a		· -	
2.8	Distance Learning Module or MOOC		fraction thereof (to be evaluated by CPDC)	У	0	Certificate of Completion Copy printout of program	
2.9	Design Analysis Software, Power System Analysis Software, CAD, BIM, Electrical Engineering Software and other relevant Engineering Software		2 CU upon complete each program	tion of	0	Certificate of Completion Enrollment or registration papers	
2.10	Industry immersion		2 Cu per program		A	Certificate of completion/participation Immersion program	

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OTHER SELF-DIRECTED and/or LIFELONG LEARNING ACTIVITIES

(Apply by the professional and pay fees with PRC; must apply at least 60 days before PIC expiration date) **Copy of Complete Training Module** 0 **Evaluation report by expert(s)** 0 Proof and documentation of the conduct of **Training Module for Professionals** 10 CU per complete set 3.1 training module (e.g. Authorship of Module) of Training Module Training module must be within the compliance period-show proof, date Certificate of acceptance of the training module 3.2 Professional Journal (PJ) or Scholarly Journal (SJ) International Local **Copy of Published Article or Journal Table of Contents** Max 10 CU Max 15 CU For multiple authors, show proof and 3.2.1 Author/s listing For multiple authors, divide CU **Publication must be within the** equally among them. compliance period for item 3.0 Copy of reviewed article 3.2.2 Peer Reviewer 2 CU per article Peer review report 3.2.3 PJ or SJ Editor 5 CU per issue **Copy of Published Journal Panel of Experts/ Technical** Invitation 3.2.4 Committee/ Stakeholders 2 CU per engagement **Certificate of completion and** Consultation participation Pamphlet/Book or Monograph **Copy of Published Book/Pamphlet 45 CU for single Author of 20 CU for single Author** 0 For multiple authors, show proof and of a Pamphlet (less a book (more than 100 3.3.1 Author/s than 100 pages) pages) listing **Publication must be within the compliance**

45 CU for

more than

100 pages

0

period for item 3.0

Copy of Published Book

For multiple authors, divide CU equally among them

20 CU for less than 100 pages

3.3.2 Editor

3.4	Author of Newspaper/Magaz ine Article or Column	Local – 2 CU per article (For multiple authors, divergually among them)	cle	 Proof of Publication of Article or Column For multiple authors, show proof and listing
3.4.:	Electrical Engineering work featured in a major Engineering publication/magaz ine/document or in a video	10 CU per feature For multiple engineers involved, CU shall be equally divided among the		 Proof of Publication featuring work or engineer Copy of publication video Publication must be within the compliance
3.4.7	Electrical engineer(s) featured in magazine, radio, TV, digital media, and publication	1 CU per feature Max of 2 CU per year For multiple engineers featured, CU shall be equally divided among the		period for item 3.0 – must show proof and date Present proof and listing for multiple engineers featured

3.5	Inventions, Patents, Copyrights		Max of 45 CU (as per CPDC)			0	Certified Copy of Patent Certificate Proof and Photo of Invention
3.6	Tours, Travels, Visits, Fairs,	and Exhibits					
3.6.1	Museum Visit	1 CU per visit Local – Max 2 CU/cyc Foreign – Max 6 CU/c		0			ents, boarding pass, or Proof eccessary
3.6.2	Design, Construction, Trade Fairs, Exhibits	1 CU per visit Max of 3 CU/cycle		0	Proof as Visitor or Attendance (Entrance), IDs Evaluation Report on Learning Objective		
3.6.3	Factory Visits, Field Trip (related to Electrical Engineering and Power System Engineering)		by CPDC)	0	(250-50 No repea	0 wor at visi	
3.6.4	Study Tours and Visits	2 CU per day (Maximum of 10 CU/ (Max 3 Study Tours/		0 0 0 0 0 0	of Trave Certifica CPD Pro Program Evaluation CV of To	l tion f vider Deta on Re ur Re	ents, boarding pass, or Proof rom Sponsoring Institution or ils and Itinerary port on Learning Objectives source People r Video per day
3.6.5	Foreign Travel	1 CU per Round Trip number of days and a countries visited Max 3 CU per year	_	0 0	Philippin Countrie particula	ne Ent es visi ar yea	ents, boarding pass, ry & Exit Stamp ted cannot be duplicated on a r or Video

3.7	Recognition, Achievement, Professional Awards	
3.7.1	International Awardee	Full CU for two (2) compliance period
3.7.3	Institutional Awardee (e.g. PRC Outstanding Electrical Engineer of the Year, TOP)	Full CU for two (2) compliance period
3.7.4	Professional Organization Awardee (e.g. IIEE, and other relevant organization awards)	Full CU for one (1) compliance period
3.7.5	Alumnus Awardee – Electrical Engineering, Electrical Technology)	Full CU for one (1) compliance period
3.7.7	City/Provincial/Regional Awardee	To be assessed and determined by CPDC
3.7.8	Other Awards	To be assessed and determined by CPDC

3.8	Conferment of Titles	
3.8.1	Fellows	30 CU
3.8.2	APEC Engineer	45 CU
3.8.3	ASEAN Engineer	45 CU
3.8.4	ACPE	45 CU
3.8.5	Other International Conferment Title	45 CU
3.9	Electrical Engineering and Design Competitio	n
3.9.1	National Accredited	10 CU for finalists
3.9.1	Electrical Engineering Design Competition	15 CU for winner
3.9.2	INTERNATIONAL/LOCAL Electrical Engineering Competition	15 CU for finalists
3.9.3	Judge/Jury/Design critic in Electrical Engineering Competition	5 CU per competition Max 3 competition/cycle

ı	3.10	Mentorship		
	3.10.1	Mentor/PEE	2 CU per mentee Maximum of 10 CU per year	 Result of the PEE examination Attach copy of Certificate of Registration Notarized Affidavit signed by PEE naming nominated mentor, inclusive date of mentorship, and date of PEE Mentor can claim CU within two (2) years of passing PEE/ Photo of Mentor
	3.11	Electrical Engineering Exhibition		
	3.11.1	Participating Electrical Practitioner in an Electrical Engineering Exhibition	2 CU per local exhibition 3 CU per international exhibition Max 3 exhibits/cycle	Certification or plaque from organizer Program details, schedule, venue If partnership or corporation, submit SEC or DTI registration showing all Registered Electrical Practitioners Photos of event
	3.12	Others		
	3.12	Socio-Civic Activities using	Max 10 CU per project (to be evaluated and determined by CPDC)	Certification or plaque of appreciation from affected group or organization Project Proposal and Complete Design Program
	3.12.1	(must be volunteer work in design or construction, or related electrical engineering activities or works)	For multiple members in a group, divide CUs equally among them Volunteer work must be completed to be valid. On-going or incomplete design or construction work will not be accepted	 Project Proposal and Complete Design Program and documents Report of activities, venues, dates Notarized Affidavit of Undertaking signed by the Electrical Practitioner or group; if multiple members, must list all Electrical Practitioners involved

SECTION 3: LIST OF ADDITIONAL REQUIREMENTS FOR ACCREDITATION FOR CPD PROGRAMS

Specific course objectives stating competencies to be gained from program

Evaluation tool specific to course objectives set

Program of activities showing time/duration of topics/workshop

Resume of speakers for program applied for, showing expertise in the topic; show certificate or citations (if any)

Breakdown of expenses for the conduct of the program

Current professional ID of speaker if registered professional; if foreigner, current special temporary permit, if applicable

Course outline – outline of the course's sub-topic

Learning outcomes — state what participants will learn from the event

Course structure/materials – type of presentation and material used

Program URL – website of the program, if any

SPEAKER'S PROFILE

NAME OF SPEAKER WITH ID

HIGHEST PROFESSIONAL TITLE; CELLPHONE NUMBER

EDUCATION:

AWARDS AND PUBLICATION (IF ANY):

PROFESSIONAL DEVELOPMENT/RESEARCH/SPEAKERSHIP (REVELANT TO THE PRESENTATION)

EMPLOYMENT: DESIGNATION:

SKILLS AND KNOWLEDGE (Competencies)

CONFERENCES/TRAINING ATTENDED (REVELANT TO THE PRESENTATION)

PROFESSIONAL ORGANIZATION MEMBERSHIP

SIMPLE PROCEDURE FOR CPD APPLICATION

- 1. Submit the complete requirements stated in the CPD IRR to CPD Secretariat at IIEE Main office, QC at least 60 days prior to the event schedule.
- 2. IIEE secretariat will review and evaluate the submitted document at least 5-10 days including the payment before submission to PRC CPD Council.
- 3. If the concern program implementer did not complied with the additional requirements with in 15 days, the IIEE Secretariat will submit the document to PRC CPD Council to meet the 45 days requirement.
- 4. The IIEE CPD Committee will be provided a copy and initially evaluate the documents for credit units
- 5. The PRC CPD Council will provide the APPROVED CREDIT UNITS
- 6. The IIEE Officer INCHARGE of the Activity must coordinate to the IIEE Secretariat for UPDATE of the approval
- 7. Final confirmation of the program credit units upon submission of summary of completion report stated in the guidelines of IRR 15 days after the conference

SECTION 7 QUALITY ASSURANCE REVIEW

For this purpose the following shall act as CPD program monitors in the order of preference indicated hereunder

- 1. CPDC MEMBER
- 2. ANY OTHER MEMBER OF THE PRB
- 3. DULY DESIGNATED APO OFFICERS, BOARD MEMBERS, PERTINENT COMMITTEE CHAIRS AND MEMBERS FROM NATIONAL AND LOCAL CHAPTER WHERE THE APO IS NOT THE PROVIDER OF THE PROGRAM TO BE MONITORED
- 4. MEMBER OF THE ACADEME WHO IS NOT A PARTICIPANT IN THE CPD PROGRAM;
- 5. DULLY DESIGNATED PROFESSIONAL AMONG THE STAFF OF DULY DESIGNATED PROFESSIONAL AMONG THE STAFF OF RELEVANT GOVERNMENT OR NON-GOVERNMENT ORGANIZATION

SECTION 5 CPD PROVIDER COMPLETION REPORT

EVENT PHOTO AND/OR VIDEO DOCUMENTATION

FEEDBACK OR COMMENT FORM IN A SEALED BROWN ENVELOP SIGNED BY THE MONITOR

January to June 2017	0	0	0
July to December 2017	15	15	10
January to December 2018	30	30	20
January 2019 onwards	45	45	30

Section 9. No Exemptions –The CPD is hereby made as a mandatory requirement in the renewal of the PICs of all registered and licensed professionals under the regulation of the PRC. Mandatory means no exemption.

Section 10. For Overseas Professionals on how to comply with CPD – Professionals working overseas may take programs/seminars through the foreign chapters or affiliates of accredited CPD Providers. They may also attend seminars/trainings conducted by non-accredited CPD Providers and apply for credit unit/s with their respective CPDCouncils under Self-Directed and/or Lifelong Learning track.





PROCEDURE FOR ISSUING CPD CERTIFICATE

IIEE Member will present the Original Copy and a two (2) Xerox copies of IIEE Certificate of Seminars/Conference attended

Membership Staff will mark at the back of the Original Certificate as "COUNTED" to ensure that the certificate presented will not be use again. Photocopy will be stamped as "CERTIFIED TRUE/XEROX COPY FROM THE ORIGINAL"

CPD Certificate will contain the following information: NAME/ DATE OF ACTIVITY/POINTS EARNED.

Membership Staff will secure an initial signature from the Executive Director prior to its release

Member Staff will put his/her initial signature on the top of space provided.

Membership Staff will ensure that the CPD Certificate has IIEE Seal

Membership Staff will secure/kept a photocopy of the issued <u>CPD Certificate</u> and he/she will also make sure that the certificate recipient/member will signed at the Receiving Copy Logbook provided.

SECTION 7. MAJOR AREAS OF CPD ACTIVITIES — THE CPD ACTIVITIES SHALL BE DIVIDED INTO FOUR (4) MAJOR AREAS WITH CORRESPONDING RECOMMENDED CREDIT UNITS, WHICH ELECTRICAL PRACTITIONER MAY CHOOSE TO COMPLY, AS FOLLOWS:

MAJOR AREA	COVERAGE OF THE AREA
Design	☐ Residential and Building Establishments
	□ Power Generation and renewable energy resources
	☐ Light and heavy Industries
	☐ Commercial Establishment
	Transmission and distribution system
	\square Substation and switching station
	☐ Institutional, Roadway Lightings, Sports Complex,

SECTION 7. MAJOR AREAS OF CPD ACTIVITIES — THE CPD ACTIVITIES SHALL BE DIVIDED INTO FOUR (4) MAJOR AREAS WITH CORRESPONDING RECOMMENDED CREDIT UNITS, WHICH ELECTRICAL PRACTITIONER MAY CHOOSE TO COMPLY, AS FOLLOWS:

MAJOR AREA	☐ Marina, Watercraft,
	locomotives
DESIGN	☐ Protection and coordination
	system
	☐ FDAS and Auxiliary systems
	☐ Industrial Complexes
	☐ Commercial Complexes

	• Ethion
Practice	 Ethics Business of Electrical Engineering to include but not limited to: manufacturing and processing Standards of Professional Practice and Regulations (laws, rules, codes, PRB resolutions, issuances, contracts, etc.) Procurement and Project delivery Enforcement and Inspection Firm Management Global and Collaborative Practice Project and Construction Management, Installations and Consulting Building Management system and Building Information modeling Computer-aided design Power System Analysis Design Analysis Operation and Maintenance Electricity Market Instrumentation and measurements Electrical Safety Management Testing and Commissioning Energy Audit Energy Efficiency and conservation Research and Development Teaching/Lectures/Coaching/Mentoring Auxiliary systems Others
Building Science	•
Environment and Sustainability	 Sustainable Structures Disaster Resilience Green Engineering Renewable Energy Building Energy Conservation Others





THANKS FOR LISTENING

LYNDON R. BAGUE FORMER PRC-BEE-CPD COUNCIL MEMBER