



**CHARTERED INSTITUTE OF ELECTRICAL AND ELECTRONIC
ENGINEERING OF NIGERIA, CIEEN ACT, 2022 (CIEEN ACT 2022)**

**REGULATORY GUIDELINES FOR REGISTRATION OF
CHARTERED ELECTRICAL AND ELECTRONIC
ENGINEERING PRACTITIONERS**

CHARTERED INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERING OF NIGERIA

May 2026

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REGULATORY GUIDELINES FOR REGISTRATION OF CHARTERED ELECTRICAL AND ELECTRONIC ENGINEERING PRACTITIONERS, 2026.

In exercise of the powers conferred upon it by Sections 5(a), 5(d) and 11(3) of CIEEEN Act 2022 to formulate policies, make rules & regulations and all other powers enabling it. In that behalf, the Chartered Institute of Electrical and Electronic Engineering of Nigeria (CIEEEN) hereby makes the following Guidelines: -

1.0 INTRODUCTION

The Chartered Institute of Electrical and Electronic Engineering of Nigeria (CIEEEN), established under the CIEEEN Act 2022, is mandated to regulate, certify, and standardize the practice and qualification of Electrical and Electronic Engineering in Nigeria.

Electrical and Electronic Engineering is a future-proof profession with multidisciplinary specializations that have endless numbers of real-world applications. The regulation of such profession becomes critical to ensure public safety, maintain technical standards and sustain ethical practices. Regulation of our profession is also to ensure that practitioners are competent, authorized, and accountable for their work.

These Guidelines set out the procedures, requirements, and criteria for the **admission and registration of practitioners in various fields of Electrical and Electronic Engineering profession** into the Institute, particularly for those desiring **Chartered status**.

In addition to academic qualifications, applicants are given opportunities to showcase their competencies and expertise in their career journey. The enhanced status with post-nominals CEE, CET, CEt, and CEC signify recognition, proven knowledge, career development, competence and authorized counter-signatory.

This credentialing process is aimed at ensuring professionals holding CIEEEN's Chartered status meet international standards including ISO professional competency framework.

2.0 OBJECTIVES

The objectives of these Guidelines are to:

- a) Fulfil the mandate of the CIEEEN Act.
- b) Ensure that only qualified and competent professionals are admitted into the Institute.
- c) Maintain high standards of professional practice and ethics.
- d) Provide a transparent and merit-based registration process.
- e) Align CIEEEN certification with global best practices.

3.0 REGISTRATION CATEGORIES AND CAREER PROGRESSION

Professional Registration is the process whereby an individual's name is recorded into the Register of CIEEEN and accompanied by authorization to use post-nominal titles such as CEE (Engineer), CET (Technologist), CEt (Technician), and CEC (Craftsman) and registration of corporate firms as CEF.

3.1 Categories of Registration

Registration is open to competent personnel practicing within electrical and electronic engineering space and its variants. Applicants may be admitted into the following categories:

- a) Engineer
- b) Technologist
- c) Technician
- d) Craftsman
- e) Corporate Body.

3.2 Career Progression Pathway

This is a structured roadmap for career advancement. It is characterized with progressive competencies, experiences, attributes, skills, lifelong learning, and leadership records. The CIEEEN Act identifies the following career pathway for each professional category:

a) Engineer Category:

- i. Grade 1 - *Chartered Chief EE Engineering Consultant* (Highest GL)
- ii. Grade 2 - *Chartered Principal EE Engineering Consultant*
- iii. Grade 3 - *Chartered Senior EE Engineering Consultant*
- iv. Grade 4 - *Chartered EE Engineering Consultant*
- v. Grade 5 - *Chartered EE Engineer (Entry Grade Level)*.

b) Technologist Category:

- i. Grade 1 - *Chartered Chief EE Engineering Technologist* (Highest GL).
- ii. Grade 2 - *Chartered Principal EE Engineering Technologist*
- iii. Grade 3 - *Chartered Senior EE Engineering Technologist*
- iv. Grade 4 - *Chartered EE Engineering Technologist (Entry Grade Level)*.

c) Technician or Craftsman:

- i. Grade 1 - *Chartered Chief Computer Aid Design EE Engineering Technician or Craftsman* (Highest Grade Level)
- ii. Grade 2 - *Chartered Senior Computer Aid Design EE Engineering Technician or Craftsman*.
- iii. Grade 3 - *Chartered Computer Aid Design EE Engineering Technician or Craftsman*.
- iv. Grade 4 - *Chartered Computer Aid Design EE Engineering Technician or Craftsman*
- v. Grade 5 - *Chartered Chief EE Engineering Technician or Craftsman*.
- vi. Grade 6 - *Chartered EE Technician or Craftsman*.

3.3 Fields of Specialisation

Electrical and Electronic Engineering is a profession of broad fields with many areas of specializations. The legislatively recognized fields and variants of Electrical and Electronic Engineering are as follows:

- | | |
|---------------------------------|---|
| ✓ Artificial Intelligence (AI), | ✓ Electronic Engineering, |
| ✓ Avionics, | ✓ Embedded or Emerging Technologies, |
| ✓ Big Data, | ✓ Hardware Engineering, |
| ✓ Biomedical Engineering, | ✓ Instrumentation, |
| ✓ Block Chain Technology, | ✓ Internet of Things (IoT), |
| ✓ Broadcasting, | ✓ Machine Learning (ML), |
| ✓ Clean Energy Engineering, | ✓ Mechatronics, |
| ✓ Computer Engineering, | ✓ Microwave Engineering, |
| ✓ Construction and Contracting, | ✓ Nanotechnology, |
| ✓ Control and Automation, | ✓ Optics and Photonics, |
| ✓ Electric Power Engineering, | ✓ Power Electronics, |
| ✓ Electrical Maintenance, | ✓ Quantum Engineering, |
| ✓ Electrical Manufacturing, | ✓ Radio-Frequency Engineering, |
| ✓ Electrical Materials Science, | ✓ Robotics, |
| ✓ Electrochemistry, | ✓ Signal Processing, Systems Engineering, |
| ✓ Electromagnetics and Waves, | ✓ Telecommunications Engineering |

4.0 ELIGIBILITY REQUIREMENT FOR CHARTERED STATUS

In accordance with *sub-section 1 (2)(d) of CIEEEN Act 2022* detailed in the First Schedule, to qualify for registration as a Chartered Electrical and Electronic engineering practitioner, an applicant must fit into at least one of the following:

4.1 Qualification

- Engineer:** Possess a minimum of a *Bachelor degree (B.Eng./B.Sc./ B.Tech.)* in Electrical or Electronic Engineering or related fields listed in the Act.
- Technologist:** Possess a minimum of a *Higher National Diploma (HND)* in Electrical or Electronic Engineering or related fields listed in the Act.
- Technician:** Possess a minimum of an *Ordinary National Diploma (OND)* in Electrical or Electronic Engineering or related fields listed in the Act.

- d) **Craftsman:** Possess a minimum of a *Trade Test Certificate (TTC)* in Electrical or Electronic Engineering or related fields listed in the Act.
- e) **Corporate Firm:** At least one of the directors is an electrical or electronic engineer.

4.2 Professional Experience

- a) Minimum of three (3) years post-qualification experience (for entry level).
- b) Higher grade levels require commensurate years of experience in line with the Act
- c) Evidence of practical involvement in engineering projects.

4.3 Competency Requirements

Applicants are required to demonstrate competence in:

- a) Engineering design and analysis.
- b) Project planning and execution.
- c) Operation and maintenance of electrical/electronic systems.
- d) Safety and regulatory compliance.
- e) Professional judgment and decision-making.
- f) Application of technical Codes and Standards.
- g) Responsibility and Leadership.

4.4 Professional Registration Examination

This technical and management assessment is designed to evaluate applicants' skills, knowledge and behaviour. It is aimed at determining his/her level of expertise.

4.5 Professional Registration Interview (PRI)

This is a peer-review chat/discussion conducted via online video call (*normally between 15 – 25 minutes per candidate*). Due to the vast fields of our profession, each

interview is conducted by at least three (3) members of the Examination Board. The Board may use its discretion to exempt certain candidates from interview based on the document submitted.

4.6 Good Character Requirement

- a) Must be of good professional conduct.
- b) Submission of at least **two referees** who are senior professionals.

5.0 APPLICATION PROCESS

Applicants shall follow the steps below:

5.1 Submission of Online Application

- a) Complete the prescribed application form (<https://cieeen.gov.ng/register>)
- b) Upload required documents.

5.2 Professional Review

This is a structured assessment of verified academic and professional credentials alongside documents submitted by the applicants. Applicants are required to demonstrate technical competence, managerial skills, and commitment to the advancement of the profession.

Some of the areas the assessor is looking for include:

- a) Experience and competencies.
- b) Past Projects.
- c) Achievements.
- d) Plan for future professional development.
- e) Supporting documentation

5.3 Supporting Documents

- a) Completed application form
- b) Curriculum Vitae (CV)
- c) Academic certificates
- d) NYSC certificate or exemption (where applicable)
- e) Evidence of work experience.
- f) Areas of Responsibility, Management and Leadership.
- g) Professional project reports (*abridge version is acceptable*).
- h) Two referee reports (peer review).
- i) Valid means of identification.
- j) Passport photographs.
- k) Proof of Professional Registration with other national or international statutory bodies e.g. COREN, ECUK, EC, ECSA, etc.

5.4 Approval

- a) Recommendation by Examination Board.
- b) Final approval by the Governing Council (*note that the Governing Council meets every quarter*).

5.5 Registration and Induction

Upon Council's approval, successful applicants will be communicated and required to accept the Registration Offer and pay the applicable fee. Thereafter, names of applicants become registered with their Chartered Status. The Registrants are inducted and certificates are issued accordingly and thereafter recognized by the Law of the Federation of Nigeria (LFN) to use their **Chartered Status post-nominal titles**.

6.0 REPORTS & CV

Reports, interviews and CV are opportunities for applicants to validate their experiences with competencies, revealing the application of technical knowledge on expertise judgement, initiatives and leadership at work. Assessment is not just about what is known, but communicating the knowledge is crucial (i.e. with confidence and clarity). It is all about the ability to articulate achievements and demonstrate values as a prospective CEE title holder.

Introduction part should reveal applicant's background and experience, focusing on the autonomy and authority of his/her role in tasks and projects listed the CV. The passion for EEE profession should shines through.

Applicants are to reveal they applied electrical and electronic engineering knowledge and skills in real world scenarios. Enumerate the challenges faced and the solutions improvised, and the impact on the project.

In as much as being a brilliant engineer is desirable, being *responsible* and *ethical professional* is also important. The examiners will want to know your level of awareness of *legal requirements* that may impact on your job.

Aside from your past project, you need to demonstrate your Development Action Plan (DAP) which is a commitment to lifelong learning and future looking. You can add any crucial information of lasting impression that can boost your assessment.

Ensure that you provide evidence to support your claims.

Holding Chartered Status title commands recognition by employers, government, clients and the public to a professional on CIEEEN's Register that they can have confidence in his/her services.

7.0 REGULATORY FEES

Subject to periodic review, applicants shall pay prescribed fees including:

- a) Application fee (non-refundable):
 - i. *Thirty thousand naira only (₦30, 000.00) for Engineer and Technologist cadres,*

ii. Twenty thousand naira only (₦20, 000.00) Technician and Craftsman cadres.

- b) Examination fee (if applicable)
- c) Annual Practicing Fees (*to be determined later*)
- d) Registration fees:

CIEEEN CATEGORIZATION	GRADES LEVELS					
	1 Highest	2	3	4	5	6 Lowest
	(₦)	(₦)	(₦)	(₦)	(₦)	(₦)
Engineer (CEE)	250,000	210,000	180,000	150,000	130,000	-
Technologist CET)	200,000	180,000	160,000	140,000	-	-
Technician (Cet)	100,000	80,000	70,000	60,000	50,000	40,000
Craftsman (CEC)	70,000	60,000	50,000	40,000	30,000	30,000
Corporate Firms (CEF)	<i>To Be Determined Later</i>					

Note: Fees can be reviewed by Council when necessary.

8.0 EXAM-EXEMPT REGISTRATION CRITERIA

The Council granted “Exemptional Approval” to first set of registrants that complied with the criteria set by the Council. While the above window has elapsed, there is provision for Exam-Exempt registration. This is a recognized regulatory mechanism to register highly qualified and experienced candidates. Notwithstanding, such exemption must be clearly justified to preserve the integrity of CIEEEN.

8.1 Major Conditions for Exam-Exempt Registration for Engineers

Key conditions where exam-exempt is granted for registration include:

- a) Significant technical experience with at least twenty (20) years post Bachelor’s degree experience.
- b) Not less than 45 years of age at the time of seeking registration.
- c) Not less than a Directorate cadre in Civil Service.
- d) Not less than a Head of Function (Budget holder) in the industry.

- e) Not less than a PhD holder in the Academia.
- f) Distinguished or senior professionals with exceptional contributions to the advancement of electrical and electronic engineering profession.
- g) Regulatory Discretion (exceptional case) exercised by the Council.

Eligible candidates are required to fulfil Conditions (a) and (b) and any other conditions.

8.2 Major Conditions for Exam-Exempt Registration for Technologists

Key conditions where exam-exempt is granted for registration include:

- a) Significant practical experience with at least twenty (20) years post HND experience.
- b) Not less than 45 years of age at the time of seeking registration.
- c) Not less than a Directorate cadre in Civil Service.
- d) Not less than a Head of Function (Budget holder) in the industry.
- e) Not less than MSc degree holder in the Academia.
- f) Distinguished or senior professionals with exceptional contributions to the advancement of electrical and electronic engineering profession.
- g) Regulatory Discretion (exceptional case) exercised by the Council.

Eligible candidates are required to fulfil Conditions (a) and (b) and any other conditions.

8.3 Major Conditions for Exam-Exempt Registration for Technicians and Craftsmen

Key conditions where exam-exempt is granted for registration include:

- a) Not less than twenty (20) years of post-technical graduation experience.
- b) Not less than 45 years of age at the time of seeking registration.
- c) Must not have less than National Diploma (ND) for Technicians and NABTED/Trade Test Certificate (TTC) for Craftsmen of its equivalent.
- d) Successful completion of an apprenticeship or other work-based learning programme approved by CIEEEN.

Eligible candidates are required to fulfil the above conditions.

9.0 ASSESSMENT ARCHITECTURE (CIEEEN Model)

This is a competency-based method for assessing applicants for registration as Chartered Electrical and Electronic engineering personnel. This framework applies to applicants for normal route and exam-exempt candidates.

The main objective of this structured framework is to ensure that only competent professionals are registered and that this approach aligns with global best practices.

9.1 Assessment Structure (Four-Stage Model)

a) Admissibility Screening (Preliminary Review)

This is to ensure that applicants meet minimum requirement for admission which includes:

- i. Academic qualification.
- ii. Applicable years of experience.
- iii. Completeness of submitted application.

b) Documentary Assessment (Portfolio Evaluation)

This is the assessment of Supporting Documents listed in Item 6.0 above.

c) Competency Assessment

Core competency areas of assessment include the following:

#	Competency Area	Brief Explanation
i	Communications	Technical Reporting & Presentation
ii	Design & Problem Solving	Ability to develop solutions
iii	Innovation	Use of modern tools and technologies
iv	Operation & Maintenance	System performance and reliability
v	Project Management	Planning, execution and delivery of desired outcomes
vi	Safety & Compliance	Adherence to Standards and Regulations
vii	Technical Knowledge	Understanding engineering principles and use cases

d) Professional Review Interview (PRI)

This is an assessment of a technical discussion between the candidates and the Examination Board (see Item 4.5 above).

9.2 Scoring Matrix

	Component	Weight (%)	
		Normal Route	Exam-Exempt Route
a	Academic Qualification	10%	10%
b	Professional Experience	20%	20%
c	Competency Assessment	20%	20%
d	Professional Interview	20%	20%
e	Examination	30%	-
f	Responsibility & Leadership	-	30%
	Total	100%	100%

9.3 Brief Comparison CEE, CET, Cet and CEC

Chartered Electrical Engineer (CEE)	Chartered Electrical Technologist (CET)
An Electrical/Electronic Engineer (CEE) must be capable of developing real-world solutions to engineering challenges by applying scientific knowledge and a structured design process, leveraging both new and existing technologies. This requires innovation, creativity, and adaptability to change. The resulting designs should deliver practical, scalable, and sustainable outcomes, while the engineer may also be responsible for managing complex systems that involve significant levels of risk.	An Electrical/Electronic Technologist (CET) is responsible for maintaining and managing the application of both current and emerging technologies. Their role may also encompass engineering design, development, manufacturing, construction, and operational activities. They also perform specialized hands-on tasks such as maintenance, troubleshooting, and field repairs.

Chartered Electrical Technician (CEt)	Chartered Electrical Craftsman (CEC)
An Electrical/Electronic Technician (CEt) is equipped to apply established techniques and procedures to address practical engineering challenges. They are also capable of implementing safe systems of work.	Chartered Electrical Craftsman (CEC) learns through Apprenticeship and trade schools with emphasis on practical hands-on. A trade professional that works with electrical/electronic systems almost exclusively in the field, installing, maintaining and repairing systems and equipment.

10.0 PROFESSIONAL CAREER PROGRESSION

This is a vertical progression in professional life which is characterized by advancement to higher roles and enhanced skills.

Career Progression Competency Framework for Engineers

Career progression from Chartered Electrical and Electronic Engineer to Chartered Chief Engineering Consultant will be based on the assessment in the table below.

#	Assessment Category	Weight (%)	Tools/Method
1	Professional Career Verification	25%	Work experience verification, Job roles and responsibilities evaluation (Emphasis on Management role and Budget responsibility), Accountability tree for positions held after the last license, Review completed projects handled, Paper presentation and References from previous employer and Clients. Awareness of Regulations, Codes and Standards
2	Prerequisite CIEEEN Professional License	10%	Any evidence of CIEEEN license? Any contribution to the Institute or advancement to Engineering using the status, position and capability. Did number of years fulfilled by applicant?

3	Professional Profile	20%	Peer Review (feedback from 2 Colleagues, 2 supervisors, industry peers and professional affiliations). Awareness of Health, Safety and Sustainability. Familiar with Engineering and Society. Conduct interviews online
4	Professional Development	20%	Evaluate Continuing education (CIEEN trainings/Workshops attended), CIEEN Conferences, Professional Annual General Meetings
5	Online Review and Interview	25%	Conduct interviews online.

Each professional must maintain a competency portfolio which shall include the following:

- i. Certified training records
- ii. Professional project documentation
- iii. Evidence of research/publications
- iv. Ethical conduct evidence
- v. Evidence of continuous professional development
- vi. Career progression evidence

Career progression in electrical and electronic engineering involves moving through distinct levels of skill, responsibility, and autonomy. The core distinction lies in the ability to handle complexity, the need for supervision, and the capacity to innovate and lead. Here is a typical description of CIEEN progression level as detailed in the Act that established the Institute.

Progression Level	Criteria Description
Expertise (1) Chartered Chief Engineering Consultant	This is the pinnacle of career progression, extending beyond technical expertise to include significant influence over the field and the organization. Description: The incumbent masters and shape organizational strategy, authors competency frameworks, and lead large-scale, industry-wide initiatives. Their

	contributions are often documented through patents, publications, and public speaking, making them a thought leader. They exemplify outstanding knowledge of electrical and electronic concepts, enabling clear explanations of complex ideas and theories. Applies knowledge to novel situations and research effectively. Activities: Aligning engineering strategy with business goals, leading entire departments or organizations, driving research and development efforts, and representing the organization as an industry authority.
Mastery (2) Chartered Principal Electrical and Electronic Engineering Consultant	The individual is a recognized authority in a specific domain of electrical/electronic engineering, capable of handling highly complex, novel, and non-routine challenges. Description: They demonstrate deep, holistic understanding, an intuitive grasp of situations, and the ability to innovate and develop new best practices. They are often sought out for their judgment and problem-solving skills in difficult situations. Engages with advanced topics confidently and apply relevant regulations adeptly. Activities: Mentoring junior staff, strategic planning, developing innovative solutions, setting technical standards, and serving as a technical lead on major and big projects
Proficiency (3) Chartered Senior Engineering Consultant	This is the mid-level of competence, where an engineer can handle a wide range of tasks and problems with a high degree of reliability. Description: The professional has extensive practical experience, can troubleshoot common issues, adapt strategies, and manage standard projects with minimal supervision. They begin to optimize processes and may start mentoring peers. Activities: Designing complex electrical systems, using advanced simulation software. They manage big projects timelines and budgets, and navigating regulatory compliance
Understanding (4) Chartered Electrical and Electronic Engineering Consultant	This level demonstrates basic knowledge of core concepts but requires assistance with application and higher-level understanding. Limited recall of regulations and standards. At this level, the individual has a theoretical grasp of the subject matter and can apply fundamental principles. Description: The engineer can work with established concepts and perform routine tasks independently but may struggle

	with complex or unusual problems. They can follow established procedures and interpret basic diagrams and formulas. Activities: Performing basic circuit analysis, using standard software tools, and ensuring compliance with basic safety standards.
Awareness (5) Chartered Electrical and Electronic Engineer	This is the most basic level of familiarity, typically at the start of a career or when encountering a new, related field. Description: Basic level of familiarity, possession of basic knowledge and terminology, but limited practical experience. The individual can recognize the topic or concept but needs significant guidance and support for any practical application. Activities: Absorbing terminology, observing processes, and performing simple, highly supervised tasks.

11.0 LIFELONG LEARNING

As a profession at the forefront of technological innovation, its practitioners desiring to maintain Chartered status are required to keep abreast with rapidly evolving technologies. They are required to upgrade their digital skills and continuously learn. It also enhances employability, improves cognitive functionality, and is technically proficient amidst rapidly evolving engineering world. All Chartered professionals under the CIEEEN Act are expected to:

- a) Expand their skillsets regularly,
- b) maintain professional competence,
- c) staying current with technological advancement, and

These regulatory expectations are required for professional licensure renewals.

12.0 RENEWAL OF PROFESSIONAL LICENSURE REGISTRATION

Retention of post-nominal titles is subject to the following:

- a) Commitment to the advancement of the profession.
- b) Payment of Annual Practicing Fees is mandatory
- c) Advanced lifelong learning.

13.0 CONCLUSION

These Guidelines provide a structured framework for the admission and registration of Chartered Electrical and Electronic Engineering practitioners. They ensure that the profession maintains **high standards, credibility, and global relevance**, while contributing to national development.

Approved by:

Governing Council, CIEEEN

Date: _____

