THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會
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HKIE Certification of Engineering Noise Modelling Professional

1. Introduction

1.1 HKIE Certification of Engineering Noise Modelling Professional

The Hong Kong Institution of Engineers (HKIE) Certification of Engineering Noise Modelling Professional (Eng NM Pro) serves to assess whether HKIE members can meet the eligibility criteria for inclusion in the Eng NM Pro register of the HKIE. Eng NM Pro is recognised by the Environmental Protection Department (EPD) of the HKSAR Government, and shall be capable of performing the duties of certified noise modelling professional in submissions for study briefs, environmental permits issued under the Environmental Impact Assessment Ordinance (EIAO) Cap. 499, Preparation of Fixed Noise Sources Impact Assessment(GN 16/2023), Preparation of Construction Noise Impact (GN 9/2023), Professional Persons Environmental Consultative Committee Practice Note (ProPECCPN) PN 4/23 Planning of Residential Developments Against Road Traffic Noise and ProPECCPN 1/24 Minimizing Noise from Construction Activities. The certification aims at enhancing the capacity and competence of HKIE members in preparing, checking and submitting the Noise Impact Assessment (NIA) reports to Director of Environmental Protection. This is in response to the escalating need for enhancing the quality of NIA submissions in self-certification system for facilitating and speeding up the processes of infrastructure and residential developments.

1.2 Objectives

The primary aims of certification are to guarantee that members who are accepted by HKIE for inclusion in the "Eng NM Pro" register possess the requisite professional and technical knowledge, training and practical experience, as well as a sufficient level of expertise in the preparing and managing noise modelling processes to fulfil noise impact assessments under EIAO, ProPECCPN 4/23 ProPECCPN 1/24 and other requirements imposed by EPD.

1.3 Core Competencies of "Eng NM Pro"

The Core Competencies of an "Eng NM Pro" include the capability:

i) To comprehend and apply professional noise modelling knowledge of EIAO statutory, EIA Guidance Notes GN 16/2023 and GN 9/2023, ProPECCPN 4/23, ProPECCPN 1/24 and other requirements underpinning good practice for professional noise modelling. (Possession of the professional knowledge and expertise in statutory requirements noise modelling stipulated in EIAO, Noise Control Ordinance and its subsidiary regulations, TM-EIA, Study Brief and EIA Guidance Notes, ProPECCPN, etc.)

ii) To define, analyse, and develop technical noise models for noise impact assessment and development of noise mitigation measures. (Professional experiences in defining the scopes of the noise modelling, such as road traffic, railway, fixed noise sources, construction noise, etc.; recommending noise methodologies and computation software; analysing potential noise mitigation measures and designing or developing solution to meeting EIAO, Noise Control Ordinance and its subsidiary regulations, TM-EIA, Study Brief and EIA Guidance Notes, ProPECCPN, etc. requirements)

iii) To manage one or more developments of noise modelling activities in accordance with good management practice to meeting EIAO, Noise Control Ordinance and its subsidiary regulations, and ProPECCPN requirements. (Ability to describe the responsibilities of various professionals including Eng EIA Pro, the Authority, project proponents, developers, urban planners, architects, engineers, contractors, EM&A professionals, etc., in a NIA study; proficiency in statutory and non-statutory requirements of noise assessment criteria, methodologies and computation software)

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iv) To be responsible for preparing, analysing and interpreting noise modelling results for NIA of EIA report, environmental review, town planning or land lease requirements. (Proficiency in statutory and non-statutory requirements of EIAO, Town Planning Ordinance and land lease)

v) To communicate clearly with decision makers, other engineers/professionals in the NIA study and recognize quality management of the noise models and reporting. (Ability to apply effective interpersonal and communication skills presentations, meetings, NIA report writing and quality assurance etc.)

2. Eligibility

Eng NM Pro	
Qualifications	Corporate Members of the HKIE (FHKIE/ MHKIE) or Associate Members of the HKIE (AMHKIE)
Work Experience	Have at least three years of full-time relevant work experience (with at least six months stationed in Hong Kong)
Recognised Practical Noise Modelling Experience	Applicants should have no less than TWO YEARS of noise modelling work experience (including at least six months in Hong Kong) in data collection, noise modelling setup, interpretation of modelling data, reporting of noise impact assessment or submissions to authorities, counting up to the application form submission date.
Noise Modelling Training	Successful completion of the HKIE-recognised "Course for HKIE Certification of Engineering Noise Modelling Professional" offered by B&R Sustainable Green Development Training Centre (SDGC) of the EPD or equivalent courses.
Submission of Supporting Document	1. Submitted a completed Application Form for Certification of Engineering Noise Modelling Professional; 2. Completion certificate of HKIE-recognised "Course for HKIE Certification of Engineering Noise Modelling Professional" or equivalent courses; 3. Provision of noise modelling experience on all core competencies, including key project information, the applicant's role and noise modelling tasks accomplished (incorporated in the online application form); and 4. Evidence of the required work experience and noise modelling experience.
Acceptance Requirements	Passing an Interview (arranged by HKIE to assess whether the applicant possesses the required core competencies and practical experience).
Fee Schedule	A total fee of HK$3,620 will be charged upon successful application for the certification of Eng NM Pro. The fee structure is as follows: 1. Application Fee: HK$620 upon submission of the application. 2. Assessment Fee: HK$2,000 upon the applicant being considered eligible for assessment. 3. First Registration Fee: HK$1,000 upon confirmation of meeting all certification requirements. All payment received are non-refundable and non-transferable.

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3. Review of Interview / Assessment Results and Handling of Appeal

In the event of an unsuccessful Interview/Assessment outcome, an applicant has the option to request a review of their result by submitting a written application to the HKIE Professional Certification Committee (PCC) within 14 calendar days of the announcement of results (excluding the day of the announcement), accompanied by an application fee of $970, and providing brief grounds for review. Late appeals will not be considered.

The applicant must demonstrate, through sufficient evidence, that there is justification for such an application. The PCC shall review the case and make a recommendation to the Qualification & Membership Board. Successful appeals will be refunded in full.

4. Renewal of Registration

The HKIE shall maintain a Register for Eng NM Pro, which shall be accessible to the public for review via the HKIE website.

HKIE members listed as Eng NM Pro shall remain on the register upon annual renewal of their HKIE membership, provided that they have completed 12 hours environmental-related Continuing Professional Development (CPD) activities. The renewal fee for the certification of Eng NM Pro is HK$1,000.