

We are  
**Engineers**



# APEC Engineer Register

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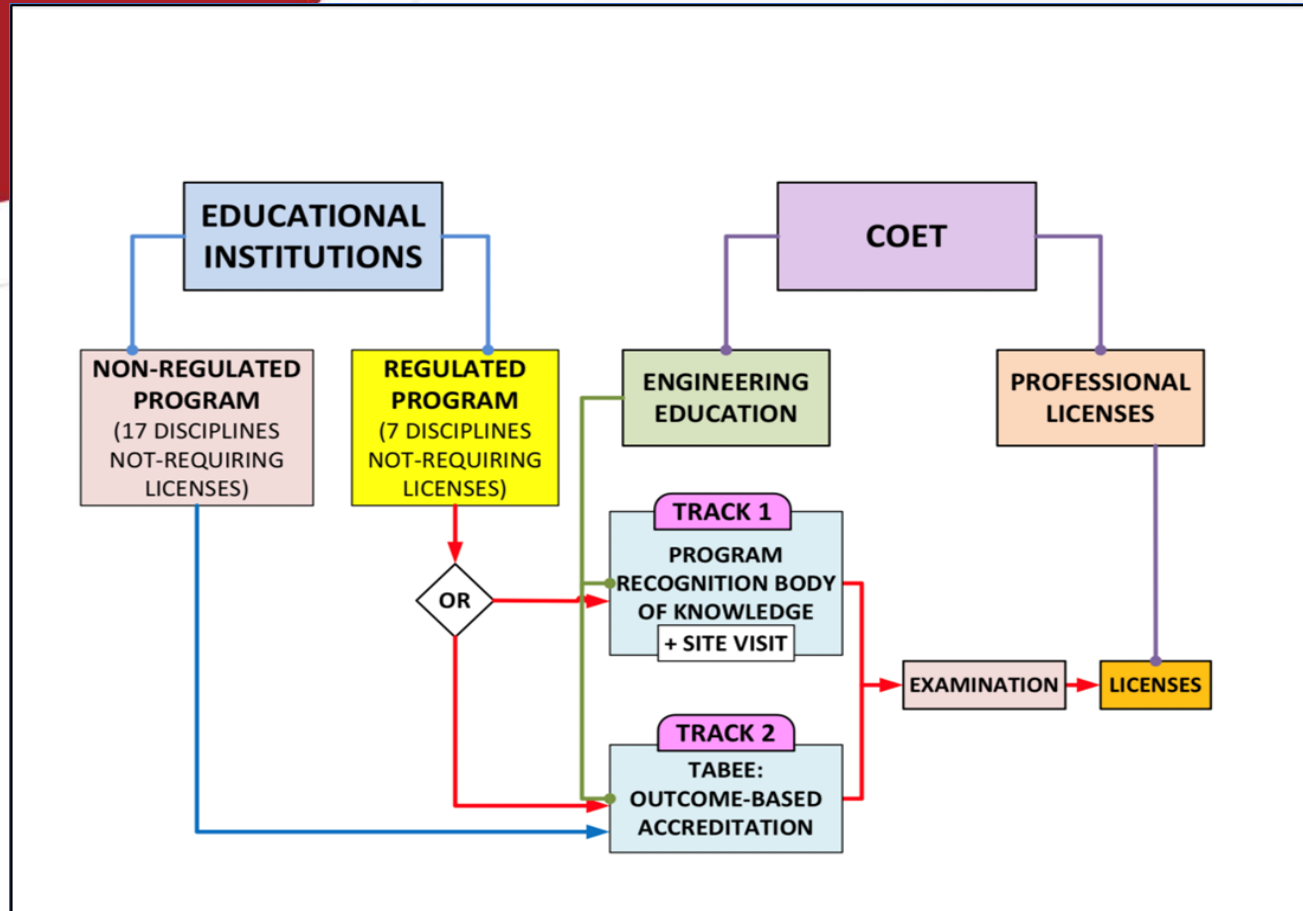


# Introduction

- COET had been admitted as a full member of the APECEA since 2003.
- COET has appointed APEC Engineering Monitoring Committee to operate the APEC Engineer Registry in Thailand.
- The APECEA Governing Group had approved the COET request to downgrade the status to be a Conditional Member since June 2020.
- COET has undertaken changes to allow the use of professional competency framework and CPD in the assessment processes for professional licencing and the application of APEC engineer certificate.



# Education Qualification and Professional Licensing



The regulated engineering disciplines are:

1. Civil Engineering
2. Electrical Engineering
3. Mechanical Engineering
4. Industrial Engineering
5. Mining Engineering
6. Chemical Engineering
7. Environmental Engineering

Classification of Engineering License:

1. Senior Professional Engineer
2. Professional Engineer
3. Associate Engineer  
(Engineering in Training)
4. Adjunct Engineer



## Comparison of Jurisdiction Practice of Engineering Licenses

- Associate Engineer
  - Exercise independent practice at approximate level of responsibility
  - Professional practice under supervision of respective PE or Sn.PE.
- Professional Engineer
  - Exercise independent practice at jurisdiction responsibility
  - Responsible charge of significant engineering work of planning, design/development, construction/production, investigation and operation/maintenance.
- Senior Professional Engineer
  - Responsible charge of important engineering work of advancement in knowledge and practice, innovation and creativity, leadership.

Associate and Adjunct engineer license **is not** qualified to apply for APEC engineer Certificate



## Professional Competency

- COET set out the professional **competency framework** and **Indicators** for engineering practice in each license classes.
- There are four generic areas;
  - Engineering Knowledge and Technology
  - Experience and Skill in Practice
  - Professional Leadership and Management
  - Awareness on Society, Public and Environment



## Continuing Professional Development (CPD)

- Amendment on COET's Rules on CPD was proposed for mandating all holder of professional license to carry out CPD activity as part of engineering professional development.
- CPD type, Activity hours and weight factor was revised.



## Professional and Senior Professional Engineer Licences: Qualification and Experience

Professional Engineer License	Senior Professional Engineer License
Must hold an Associate Engineer License	Must hold a Professional Engineer License
Obtaining an Associate Engineer License – not less than 3 years + Professional Experience	Obtaining a Professional Engineer License – not less than 5 years + Professional Experience
Record of professional works and workloads	Record of professional works and workloads
Obtaining professional improvement	Obtaining professional improvement
Endorsement from higher-level license engineer(s)	Endorsement from higher-level license engineer(s)
Participating in CPD activities	Participating in CPD activities
Submitting at least 2 outstanding engineering work reports	Submitting at least 2 outstanding engineering work reports



## Professional and Senior Professional Engineer Licences: Assessment of Knowledge Experiences and Professional Competency

### Professional Engineer License

Having a committee appointed by the COET according to the field of professional practice and specialization

Assessment of engineering knowledge, experiences, and professional competency shall be carried out in compliance with the regulations of the COET

### Senior Professional Engineer License

Having a committee appointed by the COET according to the field of professional practice and specialization

Assessment of engineering knowledge, experiences, and professional competency shall be carried out in compliance with the regulations of the COET





## APEC Engineer Registry: Requirements

1. Completed a degree from engineering program recognized by COET
2. A minimum of 7 years of practical experience after graduation
3. A minimum of 2 years in responsible charge of engineering work
4. Competence for independent practice as exemplified by IEA competency profile
5. CPD at a satisfactory level
6. Acceptance of Ethical responsibility in practice



# Assessment on APEC Engineer Application

- **Preview**
  - The application is checked: qualification and eligibility
- **Review**
  - The application is reviewed, and the applicant is interviewed by a panel of 3 specialists appointed by APEC Monitoring Committee
  - The results is reported to APEC MC
- **Post Review**
  - COET approves the registration and issues the certificate

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## APEC Engineer Register Flowchart

