



PROMOTION OF PROFESSIONAL COMPETENCY FOR NON REGULATED ENGINEERING PROFESSION

By

Assoc. Prof. Sarithdej Pathanasethpong

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Introduction

- Ministry of Interior Regulation(2017) announced additional 17 fields of engineering profession in Thailand.
- This non regulated engineering professions was announced for The Council of Engineers Thailand(COET) to promote engineering readiness and competitiveness of engineering services in view of ASEAN engineering mobility.

Introduction

- The announced 17 engineering fields are considered the non-regulated engineering profession and professional license is not required.
- Scope of work for each engineering field was not clearly defined at time.
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The Non-Regulated Engineering Fields are

1. Agricultural Engineering	9. Energy Engineering
2. Computer Engineering	10. Mechatronics Engineering
3. Coastal Engineering	11. Automotive Engineering
4. Biomedical Engineering	12. Railways System Engineering
5. Naval Architect Engineering	13. Information Engineering
6. Building Maintenance Engineering	14. Survey Engineering
7. Fire Protection Engineering	15. Water Resources Engineering
8. Petroleum Engineering	16. Aeronautic Engineering
	17. Food Engineering

Objectives

- COET plans to promote non regulated engineering profession thru registration of certificate for engineering professional competency in view of engineering mobility in ASEAN
- To ensure public, and professional organization that the engineering employee or professional service provider who has the certificate had been recognized thru assessment of the professional competency using published criteria for each field of engineering.

Expected Benefit

- Increasing the number of engineering practitioner in Thailand by using established and recognition of competency assessment criteria.
- Publicizing for social recognition the registered certificate of professional competency.
- Strengthening professional societies to play role in assessment of professional competency.
- Public assurance concerning to engineering professional services

Certificate of Professional Competency

- **2 Levels of Certificate**
 - **Registered Engineer:** issuing to new graduate and/or engineer with professional experiences in O&M of the established work system.
 - **Registered Professional Engineer:** issuing to engineers who has professional experiences in designing and installation of new work system, consultancy, complex engineering problem solving, and evaluation of impact on engineering problem

Requirements for Certificate of Professional Competency

- Registered Engineer (Level I)
 - At least B.Eng or equivalent
 - Must pass academic proficiency examination if not graduate from accredited program.
- Certificate is valid for 5 years.

Requirements for Certificate of Professional Competency

- Registered Professional Engineer (Level II)
 - Must have Registered Engineer Certificate
 - Minimum 3 years experiences with CPD points
 - Must pass professional competency review
- Certificate is valid for 5 years.

Strategy for Promotion of Professional Competency

- 2017, Set up workgroup for each of 17 engineering fields
- Establish scope of work on 17 engineering fields classified by 6 categories of engineering work
 - Consultancy
 - Project planning
 - Design and computation
 - Construction/production supervision
 - Investigation, examination and testing
 - O&M Management

Strategy for Promotion of Professional Competency

- 2018, Organizing technical seminar and public hearing for each of 17 engineering fields
- Establish area of competency for level 1 and level 2 certificate for each of 17 engineering fields
- 2019 Drafting COET regulation and rule on Issuing certificate of professional competency
- Drafting guideline for application of certificate of professional competency

Strategy for Promotion of Professional Competency

- Meeting with government office, professional societies by each of engineering field
- Promoting recognized examination agency for academic proficiency examination for each of engineering field.





Thank You

