



# Indonesia Engineering Law

(Undang Undang No 11/2014 tentang KEINSINYURAN)



**PERSATUAN INSINYUR INDONESIA**

**The Institute of Engineers, Indonesia**

*Presented in CAFE035 Bangkok, 17 November 2017*

# Objective of the Presentation

- In reference to MRA ASEAN on Engineering Services, to foster mobility of engineers there is a need for member countries to understand each of the member country Professional Engineer (PE) Certification Program to allow for benchmarking and possibly reach equivalency of the members PE Certification Program
- The current G-to-G arrangement for MRA on Engineering Services is the ASEAN Chartered Professional Engineer Register (ACP-ER)

*Note: currently in Indonesia the administration of ACP-ER is being managed by Indonesian Public Works Department. However, with the issuance of the Indonesian Engineering Law this responsibility of administering the ACP-ER will be transferred to PII*

- The AER is an ASEAN NGO based engineering registration, an alternative to the ACP-ER
- However, the AER is gaining acceptance by various country such as UK and Australia who prefer an Independent NGO registration
- To continue improvement of AER engineers registration quality, a benchmarking activity by AFEO members to possibly reach equivalency of members PE Certification Program is important

# Table of Content of Indonesia Engineering Law (UU No 11/2014 tentang Keinsinyuran)

**15** Chapters

**56** Articles

**Chapter I** (1 Article)

**General Requirement**

Article 1

**Chapter II** (3 Article)

**Principle, Purpose, and Scope**

Article 2,3,4

**Chapter III** (1 Article)

**Coverage of Engineering**

Article 5

**Chapter IV** (1 Article)

**Standard of Engineering**

Article 6

**Chapter V** (3 Article)

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Article 7,8,9

**Chapter VI** (8 Article)

**Engineering Registration**

Article 10,11,12,13,14,15,16,17

**Chapter VII** (5 Article)

**Foreign Engineer**

Article 18,19,20,21,22

**Chapter VIII** (1 Article)

**Continuous Professional Development**

Article 23

**Chapter IX** (6 Article)

**Rights and Obligation**

Article 24,25,26,27,28, 29

Part one

Rights and obligations of Engineers

Part two

Rights and obligations of Engineering utilization

Part three

Rights and obligations of Engineering users

**Chapter X** (6 Article)

**Board of Engineers**

Article 30,31,32,33,34,35

**Chapter XI** (9 Article)

**Indonesia Engineers Association (PII)**

Article 36,37,38,39,40,41,42,43,44

**Chapter XII** (5 Article)

**Continous Development of Engineering**

Article 45,46,47,48,49

**Chapter XIII** (2 Article)

**Legal Provisions**

Article 50,51

**Chapter XIV** (2 Article)

**Transitional Provision**

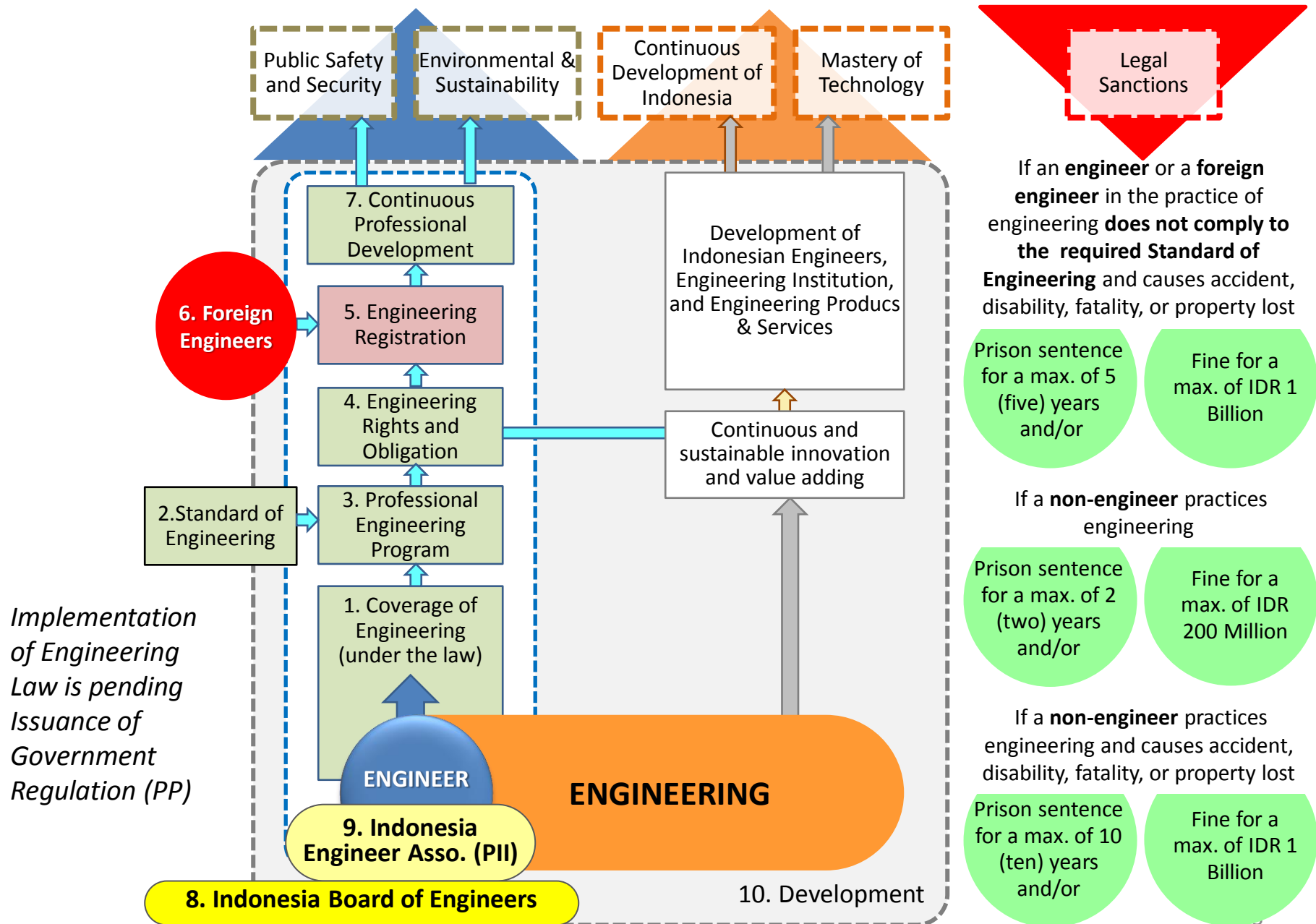
Article 52,53

**Chapter XV** (3 Article)

**Closing**

Article 54,55,56

# Framework of Indonesia Engineering Law



# Standards of Engineering (under the Engineering Law)

## Chapter IV Standards of Engineering

Standards for Engineering Services

Established by related Minister based on recommendation from PII

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Standards for Engineering Competency

Established by related Minister and Board of Engineers

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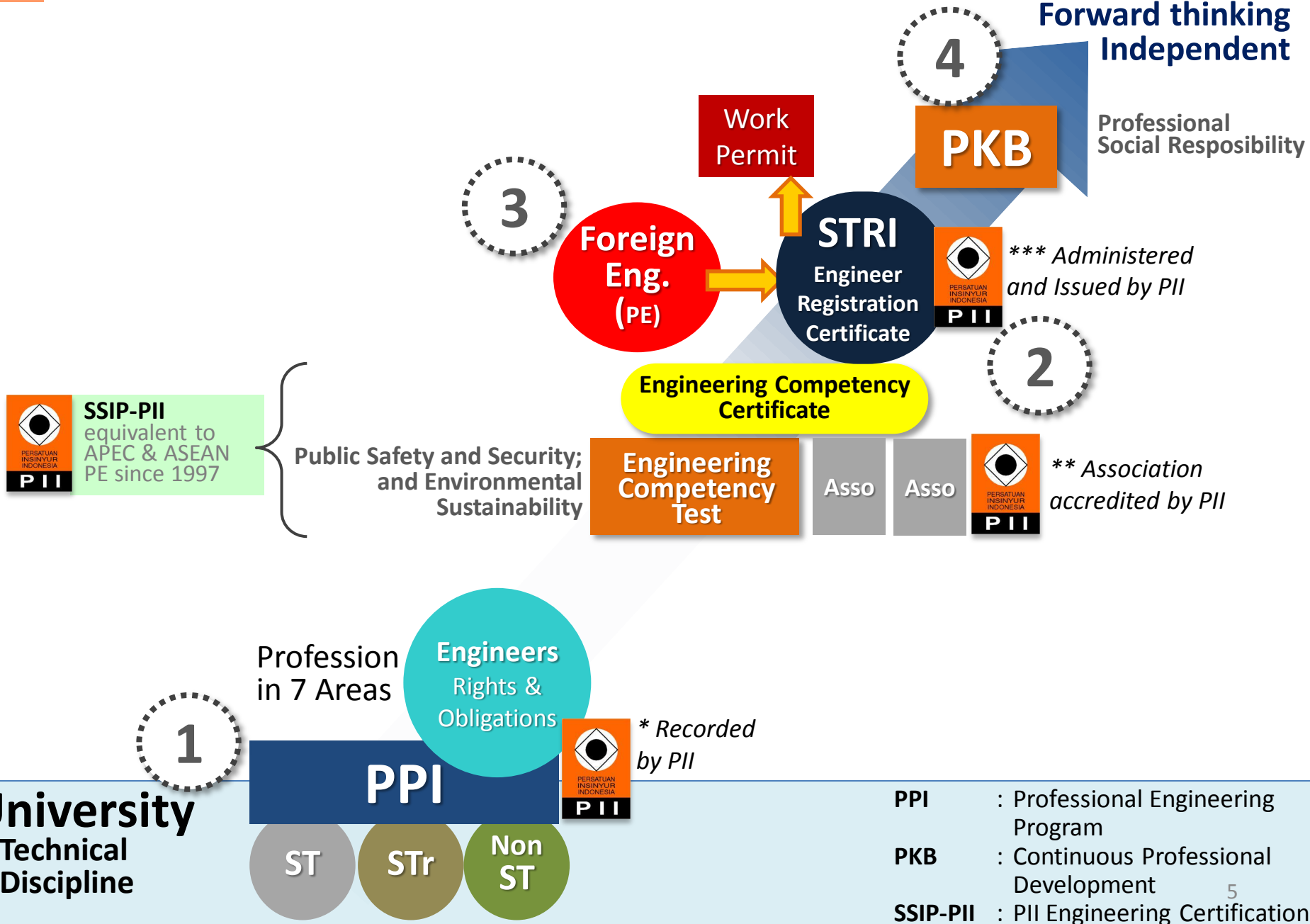
Standards for Professional Engineering Program

Established by related Minister based on recommendation from related Ministry, Universities, and Board of Engineers.

*Executed by PII, related ministry, and related industry*

# Indonesia Engineering Pathway

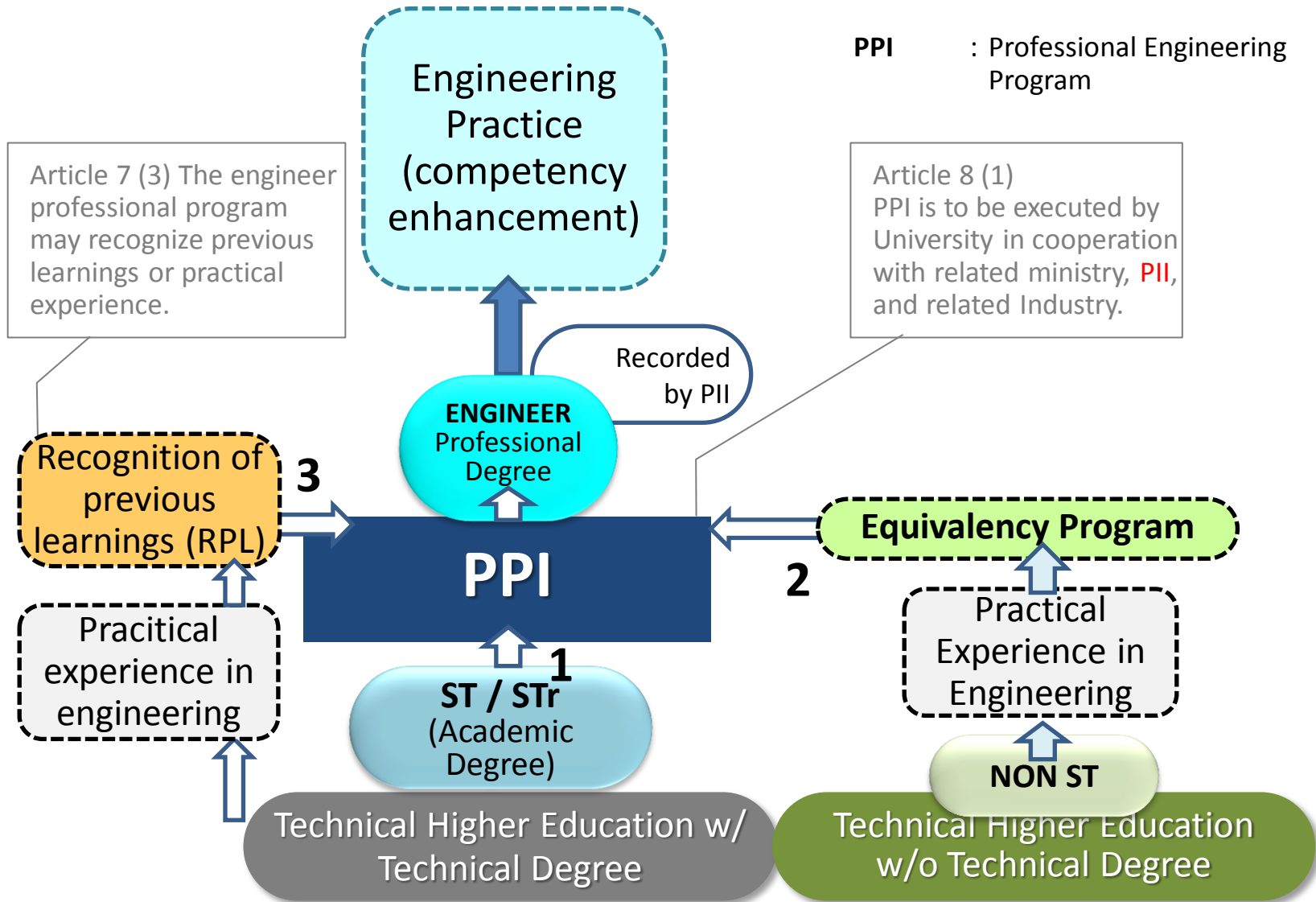
Competitive  
Value adding  
Forward thinking  
Independent



# Starting the Engineering Profession

1

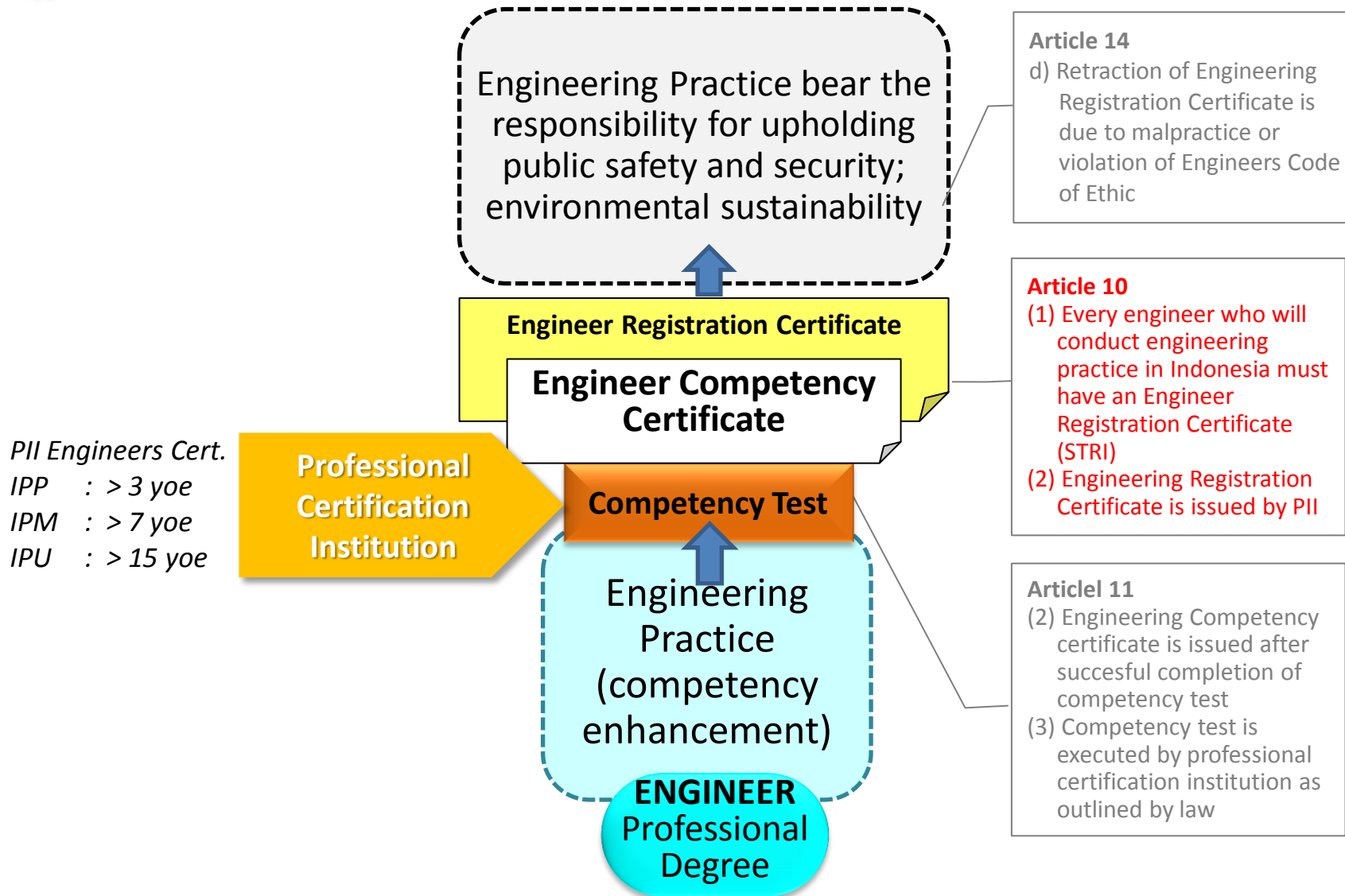
## Chapter V Professional Engineering Program



# Development of Engineering Professional Responsibility

2

## Chapter VI Engineering Registration



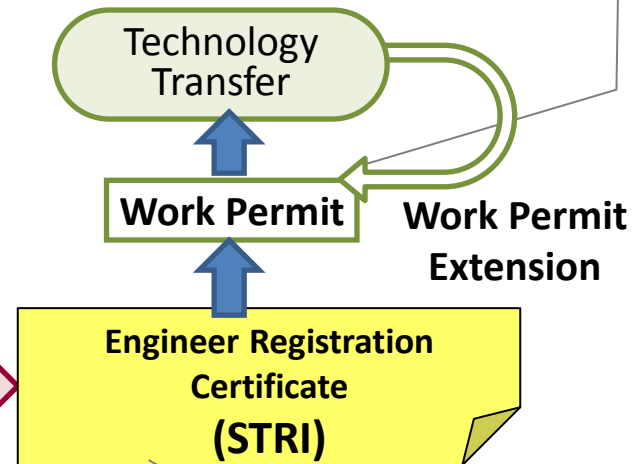
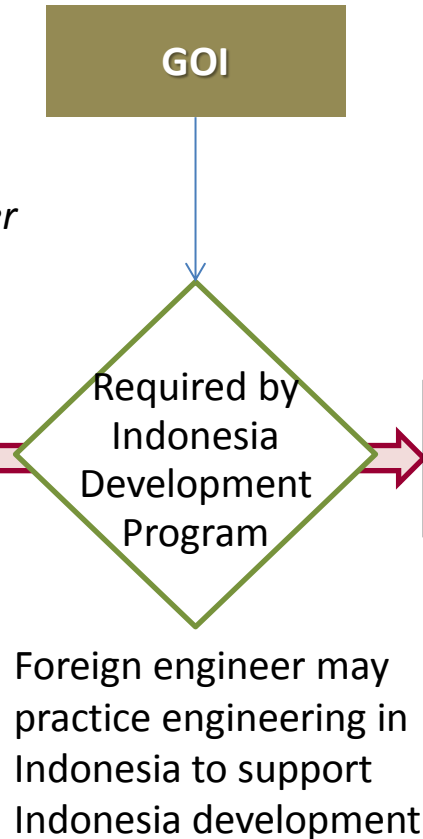
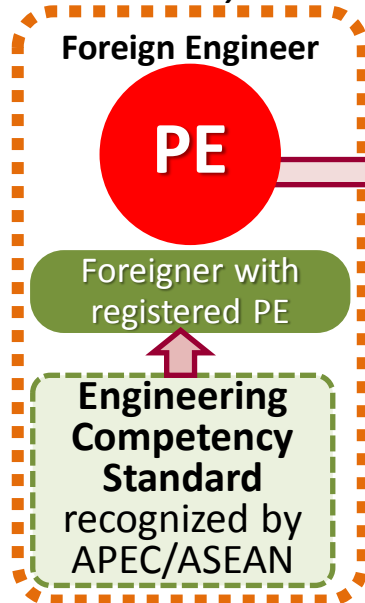


# Foreign Engineer Registration

3

## Chapter VII Foreign Engineer

*Foreign engineer who wants to practice engineering in Indonesia must be a registered PE in his/her home country*



### Article 18

(3) To obtain Work Permit foreign engineer must have Engineer Registration Certification from PII based on registered PE license or Engineer competency certificate from home country

### Article 18

(4) In the event the foreign engineer does not have a registered PE or Engineer competency certificate from home country the the foreign engineer must follow the requirement in Article 11 (Indonesian Professional Engineer requirement)

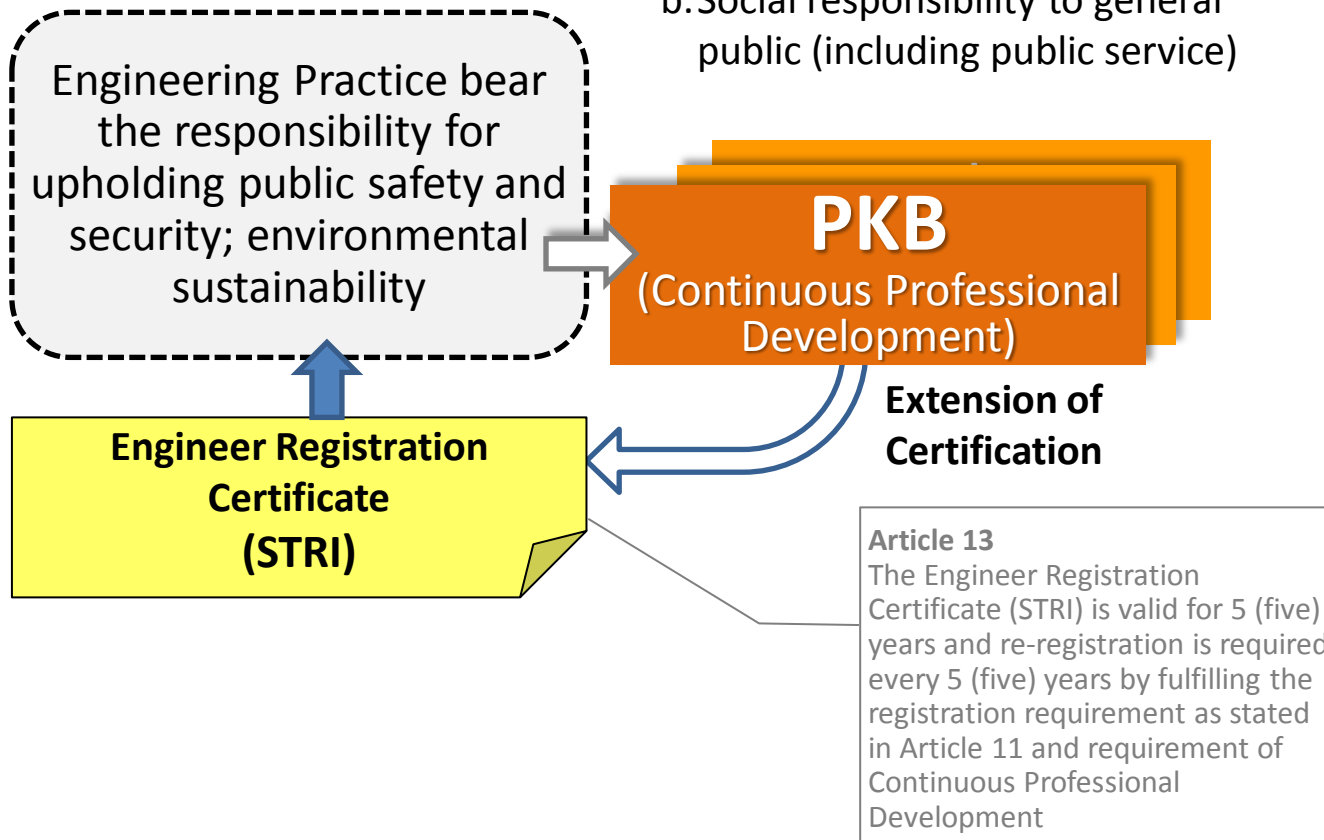
# Maintaining Professional Competency

4

## Chapter VIII Continuous Professional Development

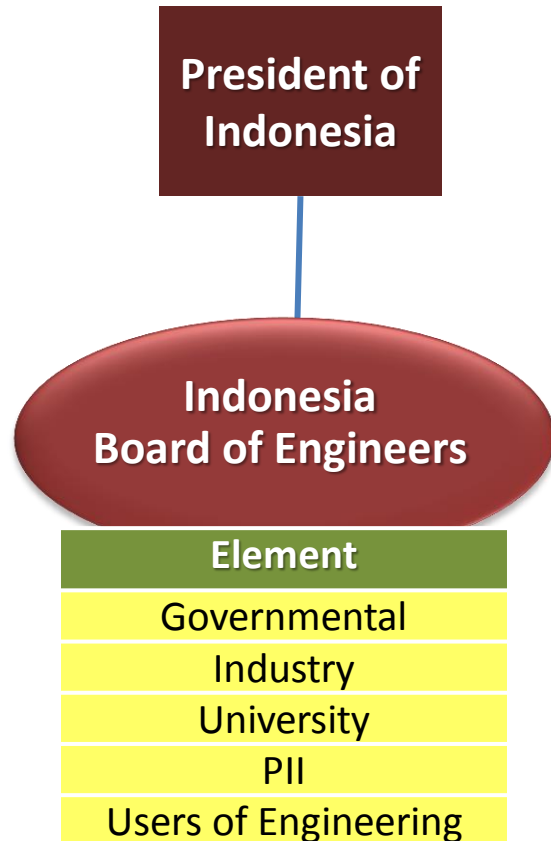
Objective :

- a. Maintain/Improve competency and professionalism
- b. Social responsibility to general public (including public service)



# Institution : Indonesian Board of Engineers

## Chapter X Board of Engineers

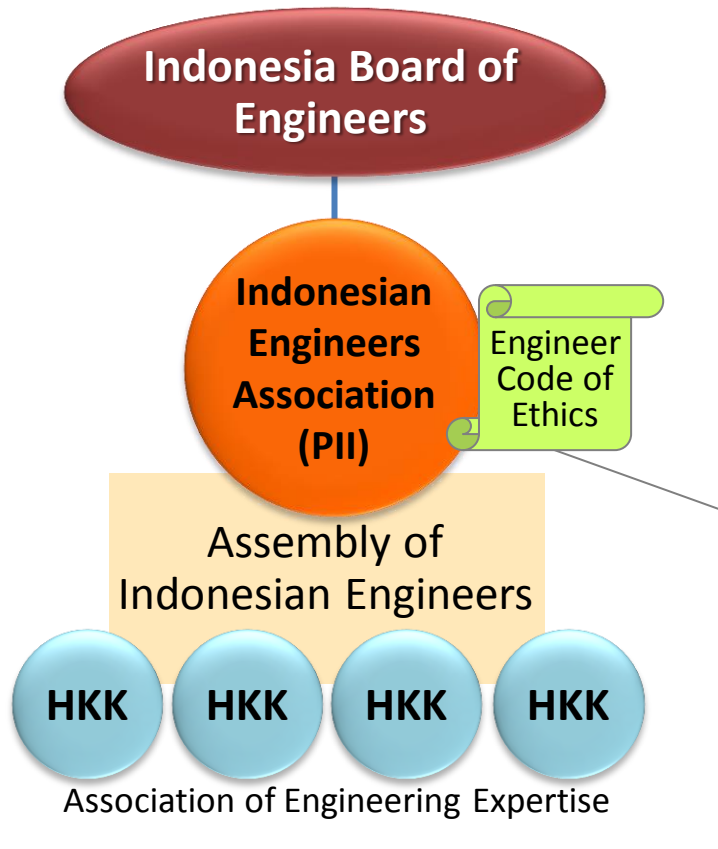


### Board of Engineers Role:

- **To formulate policy on...**
  - Engineer Registration System
  - Standards of Professional Engineering Program
  - Standard of Continuous Professional Engineering Development
  - Supervision of Engineering Policy Implementation by PII
  - Engineering Competency Testing
  - Standards for Engineering Competency
- **Develop International cooperation agreement on Engineering**
- **Supervision of technology transfer by foreign engineers**

# Institution : Indonesian Engineers Association (PII)

## Chapter XI Indonesian Engineers Association (PII)



### Article 41

- 1) To ensure the level and quality of Engineering service in the practice of Engineering the Engineer Code of Ethics must be established
- 2) The Engineer Code of Ethics as outlined in Article (1) is to be developed by PII.
- 3) Every engineer must declare its obligation to uphold and follow the Engineer Code of Ethics

**PII role is to execute** the policy outlined by Indonesian Board of Engineers on...

- Engineering services;
- Professional Engineering Program with related Universities
- Continuous Professional Development
- Supervision of Engineer Obligation
- Engineer Registration

**PII responsible for...**

- Establish, apply, and uphold the Engineer Code of Ethics
- International Engineering Cooperation under supervision of the Indonesia Board of Engineers
- Provide advocacy services for Engineers
- Provide accreditation to association of engineering expertise (HKK)

# Thank you

Raja Ampat, Papua, Indonesia



awaiting changes in the disruption period, the growth of the millennial generations, the development of internet of things and e-commerce, need to be examined into challenges and opportunities