



AEI – ELECTRICAL BLUEPRINT (2018-2035)

16th November 2017

Bangkok

Presented By: AEI - Electrical Steering Committee

Overview

Short Term (2018-2020)

Mid Term (2021-2025)

Long Term (2025-2035)

Overview

At Present –

- AEI Electrical is conducting a survey on electrical installation standards in ASEAN region
- AEI plans to conduct awareness seminars
- AEI Electrical Inspection Guidelines – Version 2.0

Recap –

At the AFEO Mid-Term 2017 In Singapore, the AFEO Secretary General, Ir. Ong Chin Loon has indicated that the AEI Electrical Committee should look at long term plan and also efforts in providing a master plan in concurrent with the AEC Blueprint 2025.

AEI Progress



AEI Progress

Source: AFEO

Bangkok Declaration



1st AEI-EI Sub Committee Meeting



Bangkok Declaration

WE at CAFE0 35 hereby **RESOLVE**: -

A) To Exchange Best Practices and to Generate Guidelines on Sustainable Cities, Disaster Preparedness, Engineering Education and Capacity Building, Environmental Engineering, Energy, and Transportation and Logistics

- I. THAT AFEO through its six (6) working groups commits to share documented best practices among all Member Organisations by 2020.
- II. That the AFEO WG on Energy shall develop the AEI Guidelines on Electrical Installation to harmonise and standardise the electrical installation system amongst ASEAN countries by 2025
- III. THAT AFEO shall produce an ASEAN Road Safety Guidelines (RSG) jointly with ASEAN Road Safety Centre (ARSC) by 2019. The RSG shall be developed through sectoral cooperation and shall provide a source of reference and guidance to ASEAN's policy makers with responsibility for road safety to improve regional integration.

Short Term (2018-2020)

To create awareness amongst engineers/other stakeholders in ASEAN countries

- 2018 Plans
 - AEI Roadshow
 - **AEI Website – Linkages To AMS Regulatory Body & Standards Committee**
 - Individual Country Activity Plans To Be Discussed
 - Launch Of White Paper Of AEI Electrical Installation Amongst ASEAN Countries in KL ASEAN Symposium.
- 2019 Plans
 - AEI Training On Electrical Inspection & Installation
 - AEI Train the trainers programme
 - AEI Electrical Installation Guidelines (By 2019 – CAFEO 2019)
 - Further identify potential stakeholders

AEI Roadshow (ASEAN)

To conduct at least 6 AEI Roadshows in 6 countries (Indonesia, Malaysia, Philippines, Singapore, Thailand, Vietnam) within 2018.
The 6 roadshows shall tie in/blend in with existing conferences and major events.

The tentative roadshows:

Brunei – 19th April 2018 (PUJA) – Completed

Jakarta – 26th July 2018 (PII) - Completed

Bangkok – 1st November 2018 - EIT Engineering Conference

Pasay City -14-17 November 2018 - IIEE National Convention

Singapore - 12th - 14th November 2018 (CAFEO)

Kuala Lumpur - 4th-5th December 2018 (Symposium) - Confirmed

Hanoi - December 2018

Yangon, Myanmar – December 2018

Mid Term (2020-2022)

Implementation Stage

In this term, divided into five efforts:-

- Education
 - To introduce electrical standards to university academicians/students and to be included as elective/core subject for the universities students
- Stakeholders
 - Further enhance stakeholders participation by inclusion of all relevant stakeholders in the national working group.
- Standards Usage
 - To organize short course/seminar related to standards that provides certificate of completion to attendees
- Registration Of Electrical Engineers
- Trade Organizations

Long Term (2023-2035)

2023-2025 – 2 years

The AFEO WG on Energy will develop the AEI Guidelines on Electrical Installation with the aim to harmonise and standardise the electrical installation system amongst ASEAN countries by 2025.

Individual AFEO members to pursue the harmonization and adoption in their respective countries.

2026-2035 – 10 years

Involvement at ministerial level

ASEAN involvement in IEC and other international organizations on regards in promoting the harmonization of Electrical Installations Standards

AEI IN SUMMARY

2018

2019

2020

2025

2018

- AEI Roadshows
- AEI Conference/Technical Seminars
- Launch ***AEI Inspection Guideline 2.0***
- Adoption of AEI Guidelines

Harmonization of LV installation and inspection practices

2019

- AEI Training On Electrical Inspection & Installation
- AEI Train the trainers programme

2020

- Launch ***AEI Installation Guidelines***
- ASEAN Engineer Register – ***certification of electrical engineers/contractors***

Source:
AFEO