

Transition to Soot-free Heavy-duty Vehicles and Fuels:
Technical Workshop on Electrification of the Heavy-Duty Vehicles
Wednesday, 20 April 2022, 09.00 – 12.15 UTC+7 (Bangkok/Hanoi/Jakarta)
Zoom Workshop

AGENDA

Background and rationale

The International Council on Clean Transportation (ICCT) and the United Nations Environment Programme (UNEP) are implementing a project funded by the Climate and Clean Air Coalition (CCAC) to address the issue of emissions from heavy-duty vehicles and fuels in the ASEAN region.

Heavy-duty diesel vehicles move a large share of people and goods, yet this reliance on diesel technology comes with significant environmental and health costs. HDVs are responsible globally for 86% of on-road diesel NO_x emissions and 78% of on-road diesel black carbon (BC) emissions, despite accounting for less than a quarter of the diesel vehicle fleet. For the Southeast Asian region, coordinated actions to harmonize technical regulations in trade blocs such as ASEAN could enable a group of countries to progress faster than if each country were to develop technical regulations individually.

These issues have been identified in a previous series of workshops and training organized by UNEP and ICCT. The first workshop, “Transition to Soot-free Heavy-duty Vehicles and Fuels,” was held virtually from 25 – 26 August 2021. The second event, “Technical Workshop on Clean Fuel and Emission Standard,” was also virtually on 17 November 2021. Those events were participated by some ASEAN Member Countries such as Cambodia, Indonesia, Lao PDR, Malaysia, the Philippines, Vietnam, and the ASEAN Secretariat.

Alignment of policies to achieve soot-free heavy-duty vehicles and fuels for the ASEAN Region is a complex process and involves multi-stakeholders. Vehicle electrification has become a prominent solution to accomplish both soot-free and zero-emission transport in recent years; therefore, incorporating the electrification issue in the overall approach of this project is essential.

Objective and scope

This technical workshop is expected to add more insights for key government officials in ASEAN countries on the latest technology development for the electrification of heavy-duty transport. The workshop is also a good opportunity to understand better available technical assistance and funding opportunities from various donors and

development agencies to support policy design and implementation of transport electrification, particularly heavy-duty vehicles of both passenger and goods.

The key outputs from this workshop are:

1. Enhanced knowledge and capacity of the key government officials (Ministry of Transport, Ministry of Environment, Ministry of Energy, and other relevant ministries) specific for the issue of electrification, particularly for heavy-duty vehicles.
2. Key officials are well informed about all organizations, both donor and development agencies, that support electrification.
3. Identify opportunities for a regional alignment on heavy-duty transport electrification in the ASEAN Region.

Event format and time

This workshop is planned as a virtual workshop with participants coming from key ministries that are responsible for the issue of vehicle emissions and fuels from the ASEAN region. A total participant of 25 representing transport, energy, and environment authorities are expected to participate in the event. Several development agencies and donor/funding organizations will also be invited. The workshop will be held on 20 April 2022 from 09.00 am to 12.15 pm (Bangkok/Hanoi/Jakarta or UTC +7)

Daily program	
08.50 – 09.00 am	Arrival to the virtual meeting room – Aditya Mahalana, ICCT
09.00 – 09.15 am	Opening and introduction (ICCT&UNEP)
09.15 – 09.35 am	Presentation 1. Electrification of the heavy-duty transport, an opportunity to achieve zero emission transport – Ray Minjares, ICCT
09.35 – 09.55 am	Presentation 2. Presentation from ZEBRA Initiative – Leticia Pineda, ICCT
09.55 – 10.00	Break
10.00 – 10.20 am	Presentation 3. ADB regional support platform/global electric mobility program – Pamela Chiang, ADB
10.20 – 11.00 am	Country update for electric HDV plan, and mapping of organizations providing support for transport electrification and discussion – Bert Fabian, UNEP
11.00 – 11.30 pm	Summary, feedback and closing (Moderator – ICCT & UNEP)