

Transition to Soot-free Heavy-duty Vehicles and Fuels:
Technical Workshop on Clean Fuel and Emission Standard
17th November 2021 (09.00 – 12.15 GMT+7)
Zoom Workshop

AGENDA

Background and rationale

The International Council on Clean Transportation (ICCT) together with 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. The ICCT is a non-governmental organization based on Washington DC, that provides first-rate, unbiased research and technical scientific analysis to environmental regulators. Its mission is to improve the environmental performance and energy efficiency for road, marine, and air transportation to benefit public health and mitigate climate change.

Heavy duty diesel vehicles move a large share of people and goods, yet this reliance on diesel technology comes with significant environmental and health cost. 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 potentially enable a group of countries to progress faster than if each country were to develop technical regulations individually.

Alignment of vehicle emission standards, fuel quality standards, and used vehicle import policies among countries with strong economic ties could have added benefit of eliminating or reducing barriers to progress, such as competitiveness concerns, cross-border traffic, used vehicle markets, limited access to cleaner fuels, and limited availability of vehicle models meeting local design specifications.

These issues have been identified in the “Regional Training and Workshop; Transition to Soot-free Heavy-duty Vehicles and Fuels”, which was held virtually on 25 – 26 August 2021. The workshop was participated by Cambodia, Indonesia, the Philippines, and Vietnam. ASEAN Secretariat also participated the event as an observer.

Objective and scope

This technical workshop is expected to be able to enrich knowledge and information on the latest technology development for soot-free heavy-duty vehicles and fuels. The plan is to bring about new learnings that is essential for policy making towards soot-free vehicles.

The key outputs from this workshop are:

1. Improved knowledge and capacity of the key government officials (Ministry of Transport, Ministry of Environment, Ministry of Energy and other relevant ministries) in specific for the issue of fuel and emission standard.
2. Identify core issues for improvement of fuel and emission standard and create pathways to more stringent fuel and emission standard in ASEAN countries.
3. To identify specific support, as well as to map out and identify resources at the country level and possible support from international agencies in order to adopt cleaner fuel and more stringent emission standard.

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. The workshop will be held on 17th November 2021 from 09.00 am to 12.15 pm (Bangkok/Hanoi/Jakarta or GMT +7)

Daily program

08.50 – 09.00 am	Arrival to the virtual meeting room (ICCT – Aditya Mahalana)
09.00 – 09.15 am	Opening and introduction (ICCT&UNEP)
09.15 – 09.45 am	Presentation 1. Technical considerations for transitioning to Soot-free vehicle standards and fuels (ICCT – Francisco Posada)
09.45 – 10.15 am	Presentation 2. Steps to develop more stringent vehicle emission standard – international cases (ICCT – Kate Blumberg)
10.15 – 10.45 am	Presentation 3. Example from an ASEAN Country on vehicle emission standard and fuel quality regulations (Tbd)
10.45 – 11.00 am	Q&A session
11.00 – 12.00 am	Group discussion – (Moderated by UNEP – Bert Fabian) <ul style="list-style-type: none"> - Deep dive into national vehicle and fuel markets and regulations <ul style="list-style-type: none"> o National vs imports (v and f), used vehicle market, - What is needed to move forward with Euro VI standards in your country? <ul style="list-style-type: none"> o Technical support – CBA, timelines, implementation plan - What is needed to move forward with S10 ppm fuel standards in your country? <ul style="list-style-type: none"> o Technical support – CBA, timelines, implementation plan
12.00 – 12.15 pm	Summary, next steps and Closing (Moderator – ICCT & UNEP)