

# Country Presentation for the Roundtable Session

Transition to Soot-free Heavy-duty Vehicles and Fuels: Regional  
Workshop for Southeast Asia

25 – 26 August 2021

Country: Vietnam



# Existing regulations for vehicle emission standard

- Emission standard for:

Categories	Emission Standard		Notes
Moped	Equivalent to Euro 2	01/07/2007	Decision No. 249/2005/QD-TTg dated 10th Oct 2005 of the Prime Minister setting the roadmap for application of emission standards to road motor vehicles
2-wheeler Motorcycle	Equivalent to Euro 3	01/01/2017	Decision No. 49/2011/QD-TTg dated 1st Sep. 2011 of the Prime Minister providing the roadmap for application of exhaust emission standards to manufactured, assembled and imported brand-new automobiles and 2-wheeler motorcysles
Automobile (passenger vehicle, heavy-duty vehicle)	Equivalent to Euro IV/4	01/01/2017	
	Equivalent to Euro V/5	01/01/2022	

# Existing regulations for vehicle emission standard

- Fuel quality standard for heavy duty (diesel fuel), particularly diesel sulfur content

Index	Level				Notes
	2	3	4	5	
Sulfur content, mg/kg, not more than	500	350	50	10	QCVN 01:2020/BKHCN National technical regulation on gasolines, diesel fuel oils and biofuels
Cetane number, not less than	46	48	50	50	

# Planned regulation

- Plan to upgrade to more stringent vehicle emissions standard (e.g., Euro VI by 2024)
  - Not yet
- Other upgrade plan for the heavy-duty transport sector (e.g. scrappage program starting in 2022 for old trucks)
  - Not yet

# Electrification for heavy-duty vehicles

- Country level electrification goals for heavy-duty vehicles (bus and truck)
  - Studying to formulate the roadmap for e-mobility in Vietnam
- Local level (city and provincial) plan for the electrification of heavy-duty vehicles (bus and truck)
  - Studying to formulate the roadmap e-buses for cities in Vietnam
- If there have been example of electrification projects for heavy-duty vehicles, please list them here
  - A private company - Vinbus under the Vingroup will pilot testing on 10 routes with 150 e-buses in Hanoi, and Ho Chi Minh afterward