



# Why should we focus on the fuel use of HDVs?

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## How much fuel is consumed by HDVs?

- Heavy duty vehicles are responsible for 30% of fuel use in transport sector
  - Trucks are responsible for 24%
  - Buses are responsible for 6%
- Improving fuel efficiency of HDVs would be a necessary condition to address global energy demand



## Conventional Wisdom Challenged

- Commercial operators are said to be more conscious of fuel costs than private drivers, therefore, policy intervention is not needed in this area because the market ensures optimum fuel efficiency.
- However, Japanese new standards have challenged this conventional wisdom.
- The European Climate Change Programme (ECCP2) also questioned this conventional wisdom.



## Estimated fuel efficiency gain

- 12% in ten years (estimated by Japanese Government)
- ...



## Current Activities on Fuel Efficiency

- Japan began regulating fuel efficiency of heavy duty vehicles in 2006
- ITF recommends all governments monitor the costs and benefits of the Japanese standards
- USEPA is studying test procedure for HDV because of the need to provide information to customers
- ...



## International Activities

- CEOs of major truck manufacturers have agreed to study the feasibility and prospects for harmonized methods for assessing CO<sub>2</sub> emissions
- UN/ECE developed a globally harmonized test procedure for emission from HDV (mainly for pollutant but could be used for fuel efficiency) last November



## Conclusion

- **HDVs should be one of key areas for energy and climate change issues.**
- **There are many activities to evaluate potential energy savings going on.**
- **And many activities to realize the potential energy saving too.**
- **Information and experience sharing and learning from best practices recommended.**



**Thank you for your attention!**