

# The Sixth Regional EST Forum in Asia

4-6 Dec 2011

Theme: Sustainable Mobility

Singapore Country Paper

# Bangkok 2020 Declaration

- Cleaner Fuels and Technologies
  - Market share of electric vehicles, hybrid vehicles, and fuel cell vehicles
  - *The Green Vehicle Rebate or GVR was introduced in 2001 to minimise the cost differential between green vehicles and their conventional equivalents.*
  - *However, the current market share of green vehicle remains low, at 8,700 green vehicles as of Dec 2010.*
  - *To continue supporting vehicle owners in making greener purchases, the existing GVR scheme will be extended until the end 2012 for electric and petrol-electric hybrid vehicles*

# Bangkok 2020 Declaration

- Standards
  - Fuel quality standards and the time line for attainment of EURO IV (or equivalent) fuel quality standard
  - *Diesel vehicles have been on the EURO IV standard since 2006.*
  - *Singapore will adopt EURO V standards for new diesel vehicles with effect from 1 Jan 2014.*
  - *To pave the way for the EURO V standards, Singapore will adopt near sulphur-free diesel (diesel with sulphur content below 10 ppm) with effect from 1 Jul 2013.*
  - *Besides reducing PM2.5 levels, the EURO V standards for diesel vehicles will also reduce other pollutants such as NO<sub>2</sub> and ozone.*

# Bangkok 2020 Declaration

- Standards
  - Vehicle emission standards for each vehicle class
  - *Noise standards for new vehicles were tightened in October 2010*
  - *Noise standards for existing vehicles was tightened in April 2011.*

# National Transport Clearing House

# Singapore

- Public Transport Operations is **self funded** and Public benefit from a world class transportation system whose fares are among the **lowest** in the world
- (Lowest 10% of income earners spend no more than 8% of their income for public transport)



Key to this success is to  
implement and sustain  
an

efficient, secure and fast

Revenue Collection and  
Settlement System



To continue improving the efficiency, LTA

embarked on building of Next Generation National Transport Fare Clearinghouse system called

Symphony for e-Payment to support multi-issue system





# Capacity

capable of clearing  
up to 30 Million  
transactions a day  
and scalable



## Open card Standard

based on an open  
National Transport Card  
Standard (CePAS) to  
lower entry barrier  
and  
acceptable to banks

