

## Questionnaire

Association Name: ITS-HK

Country / Area Represented: Hong Kong SAR

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*Please describe what ITS Technologies and Services have been introduced and developed in your country/ area. Please also give us the numerical data if available.*

Description:

We have about 4 key areas of ITS services in Hong Kong:

1. Electronic Toll Collection (ETC)
  - a. All 12 tunnels and tolled road in Hong Kong are deploying non-stop ETC systems in parallel with manual toll system
  - b. Average daily transaction is ~365,000 by Dec 2012
  - c. About 47% toll payment was made through ETC in 2012
  
2. Traffic Information Collection & Dissemination
  - a. Detectors of different technologies such as RFID, license plate recognition, autoscopes, etc installed on major roads for collecting traffic data
  - b. Real time journey time & congestion level of the roads ahead are calculated by local-built algorithm facilitating the following:
    - i. Traffic information is displayed on messages signs for drivers such that they could make their choice of routes, eventually help reducing travel time and achieving a more effective use of roads
    - ii. Traffic information is made available on website & smart phones (via mobile applications) enabling public to estimate their journey time
    - iii. It is also provided on Government platform called 'Data.One' for value-added service providers e.g. mobile apps developers to download free of charge for use. Total daily downloads is ~766,000, CCTV images downloads is ~621,000 *(source: Transport Department of HKSAR)*
  
3. Traffic Control and Enforcement Systems on Road
  - a. Area Traffic Control System, 1,730 nos. (95%) ATC junctions, comparing to 1,000 nos. (60%) in 1999 *(source: Transport Department of HKSAR)*
  - b. 155 locations with red light cameras and 120 locations with speed enforcement cameras *(source: Transport Department of HKSAR)*
  - c. Traffic Control and Surveillance Systems in use at major bridges, highways & tunnels