Regional Road Map To Support Regional Cooperation For The Wider Development Of Sustainable Smart Transport System in Asia and the Pacific

Understanding challenges and priorities for smart transport policies and strategies with transport data in LDCs and SIDS

Kingdom of Tonga
OVERVIEW

- Introduction
- Transportation Authority in Tonga
- Act and Regulation in Tonga
- Road Networks
- Challenges
- Recommendations
INTRODUCTION

❖ Christian Country
❖ 748.5 km² total land area
❖ 106,017 population (2021)
❖ Contained 6 main islands (170 islands in total)
❖ Sea and air transport are the only transportation used for traveling between the 6 main islands
❖ Land transportation is only used within each island
❖ 99.95% - Vehicles depend on fuel/petrol
❖ 0.05% - Hybrid vehicles
TRANSPORT AUTHORITY

Ministry of Infrastructure

Programs:

19.1 Leadership & Management
19.2 Transport Regulatory Operations
19.3 Building & Road Constructions and Engineering
ACT AND REGULATIONS

❖ Traffic Act 2020
  ➢ Seat belts
  ➢ Roundabout roads
  ➢ 3 lanes
  ➢ Pollution from vehicles

❖ Traffic Regulation 1958
❖ The Traffic Regulation for the Traffic Act 2020 is at the final stage of approval
❖ There is no specific regulation for smart transport and big data yet
ROAD NETWORKS

Roads

- 1940 total kilometers
  - 420 km of pavement roads (21.7%)
  - 1520 km of no-pavement roads (78.3%)
- 4 roundabouts
- 3 lanes road – 1km

Vehicles

- 32,123 vehicles (16 hybrid vehicles registered)
- Average of 3,000 vehicles imported each year
CHALLENGES

❖ Overcrowded Traffic
  ➢ Narrow roads
  ➢ No public transportation
  ➢ Bus transportation is not reliable, the reason for the high usage of private vehicles
  ➢ No traffic light
  ➢ Lack of public knowledge and awareness programs

❖ Lack of expertise
  ➢ limited funds for capacity-building training
  ➢ Impact of wages rates – qualified people are moving overseas

❖ High cost of road maintenance

❖ Political interference that affected prioritizing road maintenance and construction

❖ No national data-sharing system
RECOMMENDATION

❖ Strategies and Policies

➢ Minimize usage of vehicles and Promote a healthy lifestyle
➢ Establish a National Data Sharing System
➢ Intergrade and develop Smart Transport
➢ Reduce political interference in road maintenance priority
➢ Upgrade and build new infrastructure (eg. Bridge, etc)
➢ Capacity Building and training
THANK YOU