Regional Meeting on
Enhancing energy efficiency of the freight transport sector in Asia and the Pacific
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Energy efficient transport through seamless connectivity

Mr. Edouard Chong
Economic Affairs Officer, Transport Connectivity and Logistics Section,
Transport Division
Email: chonge@un.org
1. Infrastructure

2. Cross borders facilitation
1. Infrastructure quality
1. Infrastructure quality

Good quality infrastructure is the basis towards energy efficient transport sector.
2. Cross borders facilitation

Operational challenges: Traffic rights along Southern Corridor

Road traffic rights exchange and permits along the southern corridor by border crossing posts:
- Permit-free bilateral road transport possible, no restrictions on routes or border-crossing posts
- Road transport permit required, with or without restrictions on routes and border-crossing posts
- No traffic rights, transshipment at border, arrangements for entrance at the other side’s border facility may exist

as of July 2017
Operational challenges:
Traffic rights along Eurasian Northern and Central Corridor
Long waiting time at border crossings?

Researchers estimate that idling from heavy-duty and light-duty vehicles combined wastes about 6 billion gallons of fuel annually. About half of that is attributable to personal vehicles, which generate around 30 million tons of CO2 every year just by idling. (US Dept of Energy)


Sources:
https://www.wilsoncenter.org/article/infographic-texas-vehicle-inspection-policy
https://www.trackyourtruck.com/blog/what-engine-idling-means-for-your-fuel-efficiency
Lack of harmonized weights, dimensions and emissions standards

21 tons
30 tons (rigid vehicle max weight tons)
27 tons
34 tons

Different documentation requirements at border crossing points

Basic Goal
Seamless global Logistics system
Provide Logistics Statistics/Data Improve Logistics Efficiency Secure Logistics Security

Build Infrastructures
Integration of Related Information System

Supply Chain Visibility

Economic and Social Commission for Asia and the Pacific
2. Cross borders facilitation

Regional Strategic Framework for the Facilitation of International Road Transport

Common fundamental issues
1. road transport permits & traffic rights
2. visas for professional drivers & crew
3. temporary importation of road vehicles
4. insurance of vehicles
5. vehicle weights & dimensions
6. vehicle registration & inspection certificates

Lack of seamless connectivity impede energy efficiency in transport connectivity
ESCAP Transport Facilitation Tools

- Common approaches for key modalities for facilitation
- building an effective legal regime
- wider application of new technologies
- development of professional training
- establishment/strengthening of national coordination mechanisms
- promotion of joint control at border crossings
- promotion of economic zones at border crossings, dry ports and logistics centres

- Eight mutually complementary models:
  - Time/Cost-Distance Methodology
  - Secure Cross-border Transport Model
  - Model on Integrated Controls at Border Crossings
  - Efficient Cross-border Transport Model
  - Standard Model for Logistics Information System
  - Model Bilateral Agreement on International Road Transport
  - Model Subregional Agreement on Transport Facilitation
  - Model Multilateral Permits for International Road Transport

- Link: https://www.unescap.org/resources/transport-facilitation-tools
Takeaway:

• Quality infrastructure and seamless operational connectivity are equally important in enhancing energy efficiency of the freight transport sector
Thank you