

GFEI Sub Regional Workshop: Promoting Cleaner, More Energy Efficient Vehicles Strategies in Mauritius and the Southern Africa Region

Regional harmonization of fuel and vehicle standards

Experience of the East African Community (EAC)

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Outline

- **Introduction and Overview of EAC**
- **Harmonization of Frameworks and Standards**
- **Harmonization of fuel standards**
- **The Tripartite Transit and Transport Facilitation Project**
- **Rationale for Regional strategies**
- **Next Steps**

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Introduction

Overview of the East African Community (EAC)

- EAC is Regional Intergovernmental organization of the Republics of Burundi, Kenya, Rwanda, Uganda, South Sudan and the United Republic of Tanzania with its Head Quarters in Arusha, Tanzania.
- Region has a population 146m people; covers 1.82m sq. km; has a GDP USD 147.5 billion and Av. GDP per capita USD 1,014
- Mission: To widen and deepen economic, political, social and cultural integration in order to improve the quality of life of the people of East Africa.
- Estimated number of Vehicles: Over 2.5Million (public,private,security and donor funded project vehicles) : Kenya (48.6%) ,URT(28%),Uganda (17.6%),Rwanda(3%) and Burundi (2.5%)



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Introduction cont.

EAC State of Road Transport Infrastructure (Vehicle statistics)

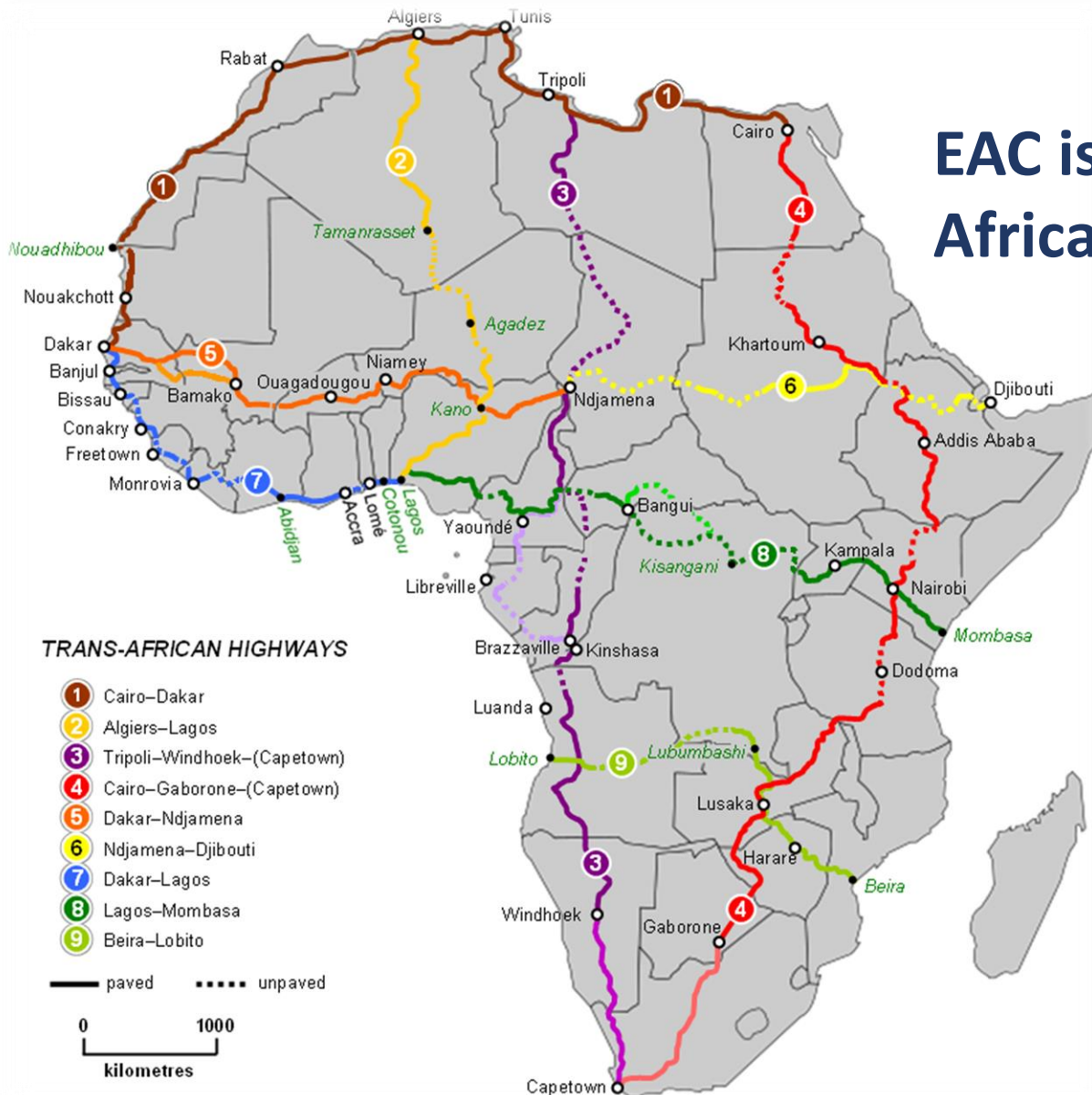
- **New vehicles –about 15% while imported used vehicles accounts for 85%**
- **Average Age of vehicles ranges between 15 and 20 years or higher**
- **The high proportion of used vehicles is influenced by initial cost, aging of vehicles contribute to deteriorating air quality and has negative impact on both health and environment affecting socio economic development of the region.**
- **Notable progress in EAC with respect to improving Transport infrastructure network**
 - **Most of roads along the EAC major corridors are paved**
 - **Revitalization of railway infrastructure and services is ongoing**
 - **Port capacity expansion and service improvement is ongoing**
 - **Most borders are equipped with OSBP facilities**

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Introduction cont.

Road transport Infrastructure in Africa



EAC is part of a big African Dream

- Isiolo – Mayole is completed
- Dodoma – Babati is tarmacked



Introduction cont.

EAC State of Road Transport Infrastructure

- **Estimated number of Vehicles: Over 2.5 Million (public,private,security and donor funded project vehicles) : Kenya (48.6%) ,URT(28%),Uganda (17.6%),Rwanda(3%) and Burundi (2.5%**
- **Notable progress in EAC with respect to realizing priority regional infrastructure projects to integrate and interconnect the EAC region:**
 - Most of roads along the EAC major corridors are paved
 - Revitalization of railway infrastructure and services is ongoing
 - Port capacity expansion and service improvement is ongoing
 - Most borders are equipped with OSBP facilities

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Harmonization of Frameworks and Standards

EAC has harmonized several transport related policy frameworks and standards including:

- **EAC Vehicle Load Control Act, 2016**
- **EAC One Stop Border Posts Act, 2016**
- **EAC Vehicle Load Control (Enforcement Measures) Regulations, 2017**
- **EAC Vehicle Load Control (Vehicle Dimensions and Axle Configurations) Regulations, 2017**
- **EAC OSBP Regulation, 2017**
- **Harmonized Standards for Road Designs and standards for Vehicle Dimensions (EAC Transport Strategy,2015)**
- **Harmonization of Driver Training and Testing – Curriculum for Drivers of Large Commercial Vehicles (Passenger and Freight) developed and implementation has commenced**
- **EAC HoS Summit directed a Study on modalities for promotion of motor vehicle assembly in the region, and to reduce the importation of used motor vehicles from outside the Community(ongoing study by BDO Company. Examples are already registered in Kenya General Motors East Africa Company assembles vehicles and sell in and out of the region, Rwanda Motorcycle Company(RMC) started soon assembling motorcycle and has recently started assembling electric motorcycle to be sold to the Region and beyond**

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Harmonization of fuel standards

EAC has harmonized fuel standards including :

- 1. East African Standard EAS 177: 2012 : Automotive gas oil(diesel) –specification (Revised from EAS 158:2000) and specifies the requirements and methods of sampling and testing of automotive gas oil, automotive diesel as manufactured, stored, transported and marketed**
 - Max Sulphur content : mg/litre : 50 from 1st January 2015(to be revised to reach at least 10 or below)**
 - Carbon residue : Max on 10% distillation residue : 0.15% (m/m)**

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Harmonization of fuel standards

EAC has harmonized fuel standards including :

2. East African Standard EAS 158: 2012 :

The East African Standard specifies requirements and methods of test for automotive gasoline, Premium Motor spirit, also commonly known as petrol, for use in spark ignition engines, including those equipped with devices to reduce emitted pollutants, the standard applies to PMS as manufactured, stored, transported and marketed.

- Max Sulphur content : Mg/l : 150(to be revised to reach at least 50 or below)

- Lead content : Max 13 mg/L

- Benzen content : Max 3%

3. Harmonization of Age Limit :

EAC through the Council of Ministers agreed to harmonize Vehicle Age Limit of vehicles imported into the Region to 5 years. Rwanda is implementing , Kenya is still at 8 years

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The Tripartite (COMESA-EAC-SADC) Collaboration in Transport

- The COMESA, EAC and SADC are collaborating in implementing the Tripartite Transport and Transit Facilitation Program (TTTFP) with EU Funding under EDF 11 expected to commence in August, 2017
- Overall Strategic Objective for TTTFP is to facilitate a more competitive, integrated and liberalized transport market in the Tripartite region with four result areas namely:
 - Vehicle Load Management Strategy implemented
 - Transport registers and Information platforms (TRIPS) operational
 - Harmonized vehicle regulations and standards implemented
 - Efficiency of regional corridors improved



Next Steps

- Revise the already existing fuel standards to adapt to the best practices in the Region (With example of Mauritius)
- UNEP in collaboration with EAC to organize a regional GFEI Workshop
- To complete the ongoing comprehensive study on modalities for the promotion of automotive industries in EAC
- Encourage the regional initiatives to start importation or assembly of electric vehicles and motorcycles (Automotive industry in Kenya and Assembly of electric motorcycles in Rwanda-Rwanda Motorcycle Company) through high level (Heads of State and Council of Ministers directives
- Learn from Mauritius and other countries in developing the necessary regulations for Energy Efficient vehicles

Thank you For Your Attention
“Asanteni Sana”

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