EAST AFRICAN COMMUNITY

One People, One Destiny
ROAD MAP TO CLEANER FUELS AND VEHICLE EMISSION LIMITS.
CASE OF EAST AFRICAN COMMUNITY (EAC)

Presented by: Name Stella apolot
Title: Principal Standards Officer
Cleaner fuels and Vehicle emissions limits.

Outline

❖ East African Community in brief;

❖ EAC roadmap to harmonization and adoption of cleaner fuel standards and vehicle emission limits;

❖ Effective implementation strategy;

❖ Proposals for Africa wide harmonized approach to fuel quality standards.
The East African Community (EAC) is a regional inter-governmental organization of the Republic of Burundi, the Democratic Republic of Congo, the Republic of Kenya, the Republic of Rwanda, the Republic of South Sudan, the Republic of Uganda and the United Republic of Tanzania, with its headquarters in Arusha, Tanzania.

**In Brief**

**Vision**
A prosperous, competitive, secure, stable and politically united East Africa.

**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 through increased competitiveness, value added production and investment.

**Quick Figures**
- Total Surface Area: 4.8 million sq. km
- Population: 280 million (2020)
- GDP Nominal: US$ 278.1 billion (2020)
EAC REGIONAL INTEGRATION PILLARS

A HIGHLIGHT

CUSTOMS UNION

2005
Enabling the EAC Partner States to enjoy economies of scale, with a view to supporting the process of economic development through the establishment of a Single Customs Territory.

COMMON MARKET

2010
Accelerating economic growth and development while maintaining a liberal stance towards the 5 Freedoms of movement for all factors of production in the region.

MONETARY UNION

2013
Laying the groundwork within a 10-year span, while allowing the EAC Partner States to progressively converge their currencies into a single currency in the Community.

POLITICAL FEDERATION

ONGOING
Putting in place initiatives to fast-track political integration. In May 2017, EAC Heads of State adopted the **Political Confederation** as a transitional model of the East African Political Federation.
Vehicle emissions are among the high contributors to poor air quality;

Air quality has immense repercussions on human health, environment, economy and climate change among others;

EAC Partner states at different levels of developing Policies, regulations and standards to mitigate negative impacts

Great milestones realized on Intervention from standards focusing on clean fuels and vehicle emissions
Roadmap to cleaner fuels standards harmonization and implementation.

- First harmonized in 2000 with objective to improve the quality of fuel;

- Revised in 2005 to cater for unleaded fuel to address safety and environmental concerns;

- In the 2000 version of the two main standards EAC 158: Automotive Gasoline (Premium Motor Spirit) and EAS 177: Automotive Gas Oil (Automotive diesel), Sulphur content was at 500ppm.
EAC Roadmap to cleaner fuels standards harmonization and implementation Cont’.

- During the revision of 2012, level reduced to 150ppm with Partner States committing to reduce it to 50ppm by 2014;

- 2019 revision, Sulphur levels set at 50 ppm max (Analytical data however shows that most levels are at 10 ppm or less);

- EAC standard for vehicle emissions harmonized and gazetted for Partner states adoption by December 2022;

- Agreed to adopt EAC vehicle exhaust emission standards at Euro 4/IV
EAC Roadmap to cleaner fuels standards harmonization and implementation Cont’.

Other environmental consideration in the revision;

- Reduction of Lead (Pb) content from 13 to 5 ppm max;
- Reduction of Benzene content from 3 to 1 %v/v, max;
- Inclusion of a maximum for Total Aromatics, 42 % v/v;
- Inclusion of requirement on Manganese, 2 ppm max.
Priority areas for harmonization

- Revision of EAS 159 Specification for engine oils to cater the different categories of cars;
- Specification for base oil;
- Heavy fuel oils—Specification;
- LPG;
- Classification of hydraulic fluids;
- Engine coolant—Specification;
- Brake fluids—Specification;
- Gear oils—Specification;
- Greases—Specification;
- ATF.
Implementation Strategy

- Enforce the SQMT act 2006 legal requirements for adoption and implementation of the harmonized standards;
- Awareness creation on the cleaner fuel standards and vehicle emission limits;
- Capacity building on Conformity Assessment (Testing, inspection and certification) to facilitate compliance to standards;
- Develop guidelines to facilitate implementation of the vehicle emission standards and;
- Develop guidelines for disposal.
EAC Implementation strategy Cont’

❑ Develop guidelines related to;
  - service centres/inspection centres
  - import registration and de registration;
  - garages;
  - importation and sale of spare parts;

❑ Develop guidelines for disposal;

❑ Adoption of a wholistic approach to addressing the transport emissions needs such as non-motorized transport, promoting public transport, cleaner fuels, vehicle emissions standards, fuel efficiency and zero emissions mobility.
Proposed harmonized strategy for Africa

- Harmonization of cleaner fuel standards and vehicle emission limits at continental level (ARSO);
- Capacity building on Conformity Assessment (Testing, inspection and certification);
- Public and Private sector partnership for efficient inspection facilities to ensure shared responsibilities by importing countries, exporting countries and traders in ensuring safe and cleaner vehicles into the region;
- Develop and implement harmonized guidelines as well as a wholistic approach.
Do you have any Questions?

Thanks for Listening !!