

Regional progress on harmonization of vehicle standards: EAC experience

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Presentation outlines

- ▶ Introduction to EASC/TC 082
- ▶ Why the standard
- ▶ Scope
- ▶ General requirements
- ▶ Implementation of the standard
- ▶ Regional progress to harmonization of vehicle standards: The case example from Kenya and Tanzania.

EASC/TC 082

- ▶ Among various Technical Committees (TC) under East African Standards Committees (EASC)
- ▶ Deals with standardization in the areas of **AIR QUALITY**
- ▶ Includes all eight partner states that comprise East African Community (EAC) DRC and Republic of Somalia to be added in the TC (SMC)
- ▶ Tanzania as a Secretariat.

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- ▶ Various standards have been published under this TC
- ▶ They specify tolerance limits on emissions by various factories such as cement, general factories and also for ambient and noxious smells
- ▶ All standards available in Online catalogues e,g TBS standards catalogue
- ▶ Standards in the area of boilers, generators and incinerators emissions have been developed (Some are under development) according to Regional Standardization Plan (RSP)



EAS 1047: 2022

ICS 13.040.01; 13.040.99

EAST AFRICAN STANDARD

Air quality — Vehicular exhaust emission limits

EAST AFRICAN COMMUNITY

Why EAS 1047:2022 ?

- ▶ Current trends in global and regional air pollutions
- ▶ Growing number of used vehicles in EAC region
- ▶ At least each partner state had her own standard for vehicular exhaust emission limits



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- ▶ There was a need for harmonization of those standards so as to collectively regulate the vehicular emissions regionally
- ▶ To be supplemented with regulations that can assist in implementation of this regionally harmonized standard



Scope of the standard

- ▶ This East African Standard specifies permissible limits for common pollutants found in exhaust emissions of motor vehicles, namely carbon monoxide (CO), particulate matter (PM), oxides of nitrogen (NOX) and hydrocarbons.
- ▶ This standard covers emissions for new, imported used and in-use vehicles of all types of motor vehicles with internal combustion engines namely, passenger cars, light commercial vehicles, heavy-duty vehicles, motorcycles and motor tricycles

General requirements

- ▶ All new diesel powered and petrol (gasoline) powered vehicles shall be type-approved to comply with the requirements of Euro IV/Euro 4
- ▶ All new, imported used and in-use motor vehicles, motorcycles and motor tricycles shall be inspected and tested for compliance with exhaust emissions limits

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- ▶ In addition to any other requirements on roadworthiness, new, imported used, in use motor vehicle, motorcycle or motor tricycle shall not be registered for the first time in any of the Partner States without a certificate of compliance with exhaust emission limits.
- ▶ Imported motor vehicles, motorcycles and motor tricycles shall be accompanied by a certificate of compliance with exhaust emission limits issued by a duly approved agency in the exporting country in accordance with this standard.

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- ▶ Motor vehicles, motorcycles and motor tricycles shall be inspected and tested in inspection centers approved by a relevant authority in the respective Partner States.
- ▶ Emissions inspection and testing may be done according to the schedule laid out in the published standard or according to the national legislation of the respective Partner States

Implementation of the standard

- ▶ This regionally harmonized standard is applicable to all partner states and spearheads the formulation of regulations to control vehicular exhaust emissions
- ▶ All stakeholders such as importers, regulators, government and non-governmental organizations can access the standard and implement it in their capacity
- ▶ TC secretariat will continue to work with partners and all stakeholders in ensuring the smooth implementation of this standard taking into account that some of the partner states have already started implementation of standard.

Regional progress to harmonization of vehicle standards

KENYA

- ▶ Standard adopted as KS EAS 1047
- ▶ Air quality regulations are reviewed and the standard is referenced within the regulation (Environmental Management and Coordination (Air Quality Regulations, 2014 and draft amendments)
- ▶ Finalization of requirements for designated centers for vehicular emission testing

Regional progress on harmonization of vehicle standards

TANZANIA

- ▶ Standard adopted as TZS 983:2022/EAS 1047:2022
- ▶ Air quality regulations are in review stages and the standard is referenced within the regulation (Environmental Management(Air Quality Standards) Regulations, 2007 and draft amendments)
- ▶ Various Vehicular emission testing centers have been established
- ▶ Regulators including LATRA and other relevant stakeholders are in dialogue to set modalities of enforcing mandatory testing as per standard requirements

Challenges faced





‘Thank you’

‘Merci’

‘Obrigado’

