



1st Official ASEAN Fuel Economy Platform Meeting

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Elements of ASEAN roadmaps in non-transport sectors

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ASEAN-German Technical Cooperation Project
“Energy Efficiency and Climate Change Mitigation in the Land Transport Sector”



ASEAN SHINE

Sustainable energy equipment and appliances in ASEAN

- Establishment of the EU-ASEAN Energy Efficiency Standards Harmonization Initiative
- Harmonization of standards for testing methods
- Regional policy roadmap
- National policy roadmaps for increase of MEPS
- Capacity building for testing laboratories:
- Capacity building for AC manufacturers (SMEs)
- Consumer awareness campaigns

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ASEAN Regional Policy Roadmap for Harmonization of Energy Performance Standards for Air Conditioners

- Objective: “To provide clear guidelines in the adoption of policies to promote the use of more efficient air conditioning equipment and define the targets to be achieved by all ASEAN countries with regards to the adoption of harmonized energy performance standards of ACs by 2020”
- ASEAN countries have agreed for a uniform testing method derived from ISO 5151- 2010. Adoption by AMS by 2016, with the exception of Cambodia, Laos, Myanmar: to be adopted and notified by 2018.
- A common evaluation method (CSPF using ISO 16358-1) may be considered by 2020
- The ASEAN countries will notify a minimum EER (of 2.9W/W) by 2020 as mandatory MEPS for all fixed and variable drive ACs (below 3.52kWcapacities). The MEPS would be periodically reviewed and revised at an interval of 5 years or less



Road Map for a Transboundary Haze-Free ASEAN by 2020

- Operationalise immediately the ASEAN Coordinating Centre for Transboundary Haze Pollution Control as the main operational entity of the Haze Agreement;
- Enhance the monitoring and surveillance systems emphasising on early warning and better forecast modelling



Peatland Management Strategy 2006-2020

The APMS was endorsed by ASEAN Environment Ministers in 2006 and updated in 2013 to guide actions to support management of peatlands in the region in the period of 2006-2020.

- There are two proposed levels of actions, namely (i) actions to be taken at the regional level (R), and (ii) those that relevant AMS should consider implementing and including in their respective National Action Plans (C).
- AMS should prepare individual National Action Plans (NAPs) for the period of 2006-2020, taking into account the thrust and objectives of the regional strategy.



Peatland Management strategy (2)

Selected specific actions

- Harmonise definitions and classification of peatlands
- Status updates in national inventories
- Develop a methodology and prepare guideline for monitoring of peatland areas
- Undertake research on appropriate techniques and practices
- Strengthen regional sharing of experience and networking through use of mechanisms such as the ASEAN Haze Action Online, the SEAPeat Network
- Designate specific institutions responsible for peatland management and establish National Peatland Working Groups
- Formulate or update national policies and strategies
- Establish pilot project(s) in each country (according to local needs) to test new sustainable management



Competition policy

- ASEAN Experts Group on Competition
- Regional guidelines
- Handbook on competition policy and law
- Region-wide socialisation workshops

Laws and regulations must be supported by strong advocacy and empowerment of civil society



MDG Roadmap

- Determine and appoint appropriate MDGs focal points in each ASEAN Member State
- Increase involvement of civil society
- Develop best practice manuals for MDG achievement
- Promote quality of data collection and analysis
- Harmonise indicators for MDG
- Facilitate provision of expertise
- Collaboration with Asia-Pacific regional and sub-regional initiatives
- Lobby for support from global initiatives on climate change and other public goods for the ASEAN region



ASEAN Energy Market Integration

AEMI: TOWARDS A BLUEPRINT AND ROADMAP

AEMI actions include:

- (a) **Lift tariffs and non-tariff barriers** to trading energy goods, services and investment. (b) **Harmonize energy pricing** including subsidies and taxes. (c) Establish enforceable **targets and standards** for EE, RE and energy conservation. (d) Design the appropriate legal, and **regulatory frameworks**. (e) Establish appropriate **institutional** and governance structures.
- Agree technical **standards and guidelines** on product quality and technical infrastructure standards; as well as technical codes;
- Devise energy **product labeling and standards** in key sectors (for household and industrial end- uses) consistent with the EE and energy conservation targets, and create an ASEAN framework for its **monitoring, implementation and enforcement**.
- **Quantify** AEMI environmental benefits, EE&C impacts

Define AEMI **roadmap** with clear timeframe and milestones



ASEAN Energy Technology Strategy, 2015-2030

AEMI Working Paper

Recommendations, transport sector (p. 34)

- (i) Set Minimum Energy Performance Standards for vehicles as a first (!) and effective step.
- (ii) Set requirements for regular technical inspections, e.g., every two years, of all rolling stock in order, to improve the energy efficiency of existing vehicles.
- (iii) Encourage non-motorised transport in cities.
- (iv) Since transport vehicles are manufactured by few major producers globally, it is advisable for ASEAN countries to focus on the development of technologies for efficient use of alternative fuels.



Source / more info:

<http://www.asean-aemi.org/towards-a-blueprint-and-roadmap/>

<https://d2oc0ihd6a5bt.cloudfront.net/wp-content/uploads/sites/837/2016/03/3-Pierre-Cazelles.pdf>

<http://environment.asean.org/wp-content/uploads/2015/06/ASEAN-Peatland-Management-Strategy-2006-20201.pdf>

<http://asean.org/asean-economic-community/sectoral-bodies-under-the-purview-of-aem/competition-policy/>

<http://www.aseanshine.org/index.php/about?lang=en>



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