

**REGIONAL ASSOCIATION OF ENERGY REGULATORS FOR EASTERN AND
SOUTHERN AFRICA**



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April 2022

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**Meeting of the Portfolio Committee on Environment and Energy Efficiency of the Regional
Association of Energy Regulators for Eastern and Southern Africa (RAERESA)**

Virtual

22nd April 2022

FINAL REPORT

2022/MESE/ymm/smz

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INTRODUCTION

1. Meeting of the Portfolio Committee on Environment and Energy Efficiency of the Regional Association of Energy Regulators for Eastern and Southern Africa (RAERESA) was held virtually on 22nd April 2022. The main objective of the meeting was to review the annual report of activities and the effectiveness of RAERESA and to facilitate provision of guidance and support RAERESA towards a strategic, sustainable, integrated and coordinated governance.

2. The meeting was attended by Seychelles, the current Chair of the Portfolio Committee on Environment and Energy Efficiency; Madagascar and the RAERESA Secretariat.

3. The list of participants is attached to this report as Annex I

A. OPENING – AGENDA ITEM 1

4. Seychelles, which is the current Chair of the Portfolio Committee on Environment and Energy Efficiency of RAERESA, chaired the meeting. In her opening remarks, Ms. Bernice Charles, the Principal Officer, Licensing and Enforcement, the Seychelles Energy Commission (SEC) and Chairperson of the Portfolio Committee welcomed the participants to the virtual Meeting of the Portfolio Committee on Environment and Energy Efficiency of RAERESA.

5. In his opening remarks, Dr. Mohamedain E. Seif Elnasr, Chief Executive Officer of RAERESA also welcomed the participants to the virtual Meeting of the Portfolio Committee on Environment and Energy Efficiency of RAERESA.

B. ADOPTION OF THE AGENDA– AGENDA ITEM 2

6. The Meeting considered and adopted the following agenda:

1. Opening Remarks

2. Adoption of the Agenda and Organization of Work

3. Presentation, Review and Adoption of the Progress Report on Implementation of the Portfolio Committee Work Plan Activities for 2021

4. Consideration of the Deliverables of the Project on Enhancement of a Sustainable Regional Energy Market (ESREM) in Eastern Africa, Southern Africa and Indian Ocean Region Under the Portfolio Committee on Environment and Energy Efficiency.

5. Review and Adoption of Planned Activities for June 2022 to December 2023.

6. Any Other Business

7. Adoption of the Report and Closure of the Meeting

C. PRESENTATION, REVIEW AND ADOPTION OF THE PROGRESS REPORT ON IMPLEMENTATION OF THE PORTFOLIO COMMITTEE WORK PLAN ACTIVITIES FOR 2021 - AGENDA ITEM 3

7. The meeting received updates on the implementation of the Portfolio Committee work plan activities for 2021. In this regard, the meeting noted that several activities were implemented in 2021. These activities are outlined below.

Development of Minimum Energy Performance Standards as well as Equipment Labelling for Widely Traded Energy Consuming Devices Including Lighting Products in the COMESA Member States

8. The meeting was informed that in the period under review, a framework consultant CPCS Transcom International Limited in association with Multiconsult Norge AS and Econoler was engaged under the Project on Enhancement of a Sustainable Regional Energy Market (ESREM) in Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) Region, to develop and facilitate the domestication of minimum energy performance standards (MEPS) in Member States.

9. The meeting noted that the MEPS and policy guidelines for electric fans and TVs in the EA-SA-IO Region were completed. MEPS for lighting appliances was completed under the Energy Efficient Lighting and Appliances in Eastern and Southern Africa (EELA) project undertaken by East African Centre for Renewable Energy and Energy Efficiency (EACREEEE) and SADC Centre for Renewable Energy and Energy Efficiency (SACREEE). The objective of the Regional MEPS is to assist Member States to establish common minimum energy performance standards to improve the quality of the electricity appliances and energy efficiency.

10. The meeting further noted that an on-line monitoring tool for implementation of MEPS and labelling standards in the EA-SA-IO region was developed.

11. The meeting was informed that the development of the MEPS for other appliances such as cooling appliances, among others, was in progress under the Energy Efficient Lighting and Appliances in Eastern and Southern Africa (EELA) Project undertaken by EACREEEE and SACREEE.

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Development of Best Practice Methodology to Assist with the Reduction of Transmission and Distribution Network Technical Losses in the COMESA Member States

12. The meeting noted the development of regional guidelines on demand side management for the EA-SA-IO region was completed.

13. The meeting also noted that the final guidelines for power system losses measurement and mitigation were completed. The meeting further noted that the final lifeline tariff policy and guidelines were completed.

14. The main objective of the regional guidelines indicated above is to establish best practice methodology to assist with the reduction of losses in the supply side and in the demand side and to ensure that energy efficiency in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region is enhanced.

Implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan for EA-SA-IO Region (REEESAP).

15. The meeting was informed that the Renewable Energy and Energy Efficiency Strategy and Action Plan for EA-SA-IO Region (REEESAP) was developed in 2019.

16. The meeting was further informed that the REEESAP was the key overarching regional instrument that would provide guidance to the development of renewable energy/energy efficiency (RE/EE) strategies and action plans for Member States and mobilization of additional finance for implementation of RE/EE projects.

17. The meeting was informed that the REEESAP was adopted by the COMESA Policy Organ Meetings held in October/November 2020 for implementation by RAERESA and its members.

18. The meeting noted that the monitoring and evaluation framework for the REEESAP was revised and an on-line monitoring tool for monitoring the implementation of the REEESAP- EA-SA-IO region was developed and completed in the period under review.

19. The meeting further noted that a strategy for gender mainstreaming in renewable energy (RE) and energy efficiency (EE) in the EA-SA-IO region was developed and completed as well as credit facility guidelines for promoting energy efficiency projects.

20. The meeting noted that a consultant CPCS Transcom International Limited in association with Multiconsult Norge AS and Econoler was engaged to develop the following draft guidelines and reports which went through consultative process and were validated by the stakeholders:

- a. minimum energy performance standards (MEPS) and policy guidelines for electric fans and TVs in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) Region;
- b. the on-line monitoring tool for implementation of minimum energy performance standards (MEPS) and labelling standards in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- c. regional guidelines on demand side management for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- d. regional guidelines on power system losses measurement and mitigation;
- e. lifeline tariff policy and guidelines;
- f. gender mainstreaming strategy and action plan in renewable energy (RE) and energy efficiency (EE) in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- g. credit facility guidelines for energy efficiency projects; and
- h. the revised monitoring and evaluation framework for the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP) and an on-line monitoring tool for monitoring the implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP)- EA-SA-IO region.

Recommendations

21. *The meeting recommended that the progress report on the implementation of the Portfolio Committee work plan activities for 2021 be adopted.*

E. CONSIDERATION OF THE DELIVERABLES OF THE PROJECT ON ENHANCEMENT OF A SUSTAINABLE REGIONAL ENERGY MARKET (ESREM) IN EASTERN AFRICA-SOUTHERN AFRICA-INDIAN OCEAN REGION (EA-SA-IO) REGION UNDER THE PORTFOLIO COMMITTEE ON ENVIRONMENT AND ENERGY EFFICIENCY - AGENDA ITEM 4

22. The meeting received for consideration and adoption, reports and guidelines developed under the Project on Enhancement of a Sustainable Regional Energy Market (ESREM) in Eastern Africa, Southern Africa and Indian Ocean (EA-SA-IO) Region, that went through a consultative process and were validated by the stakeholders. The deliverables were in line with the Portfolio Committee on Environment and Energy Efficiency's work plan outputs. In this regard, the following reports and guidelines were presented as outlined below.

Development of Minimum Energy Performance Standards as well as Equipment Labelling for Widely Traded Energy Consuming Devices Including Lighting Products in the COMESA Member States

23. The meeting noted that one of the deliverables of the Project on Enhancement of a Sustainable Regional Energy Market (ESREM) in Eastern Africa-Southern Africa-Indian Ocean Region was to develop Minimum Energy Performance Standards (MEPS)

and policy guidelines for electric fans and TVs in the EA-SA-IO Region. The meeting further noted that MEPS for lighting appliances was completed under the EELA project undertaken by East Africa Centre for Renewable Energy and Energy Efficiency (EACREEEE) and SADC Centre for Renewable Energy and Energy Efficiency (SACREEE).

24. The meeting considered the on-line monitoring tool for implementation of MEPS and labelling standards in the EA-SA-IO region.

25. The objective of the Regional MEPS is to assist Member States to establish common minimum energy performance standards to improve the quality of the electricity appliances and energy efficiency.

Development of Best Practice Methodology to Assist with the Reduction of Transmission and Distribution Network Technical Losses in the COMESA Member States

26. The meeting considered the regional guidelines on demand side management for the EA-SA-IO region.

27. The meeting considered the final guidelines for power system losses measurement and mitigation and the final lifeline tariff policy and guidelines.

28. The main objective of the regional guidelines indicated above is to establish best practice methodology to assist with the reduction of losses in the supply side and in the demand side and to ensure that energy efficiency in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region is enhanced.

Implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan for EA-SA-IO Region (REEESAP).

29. The meeting considered the revised monitoring and evaluation framework for the REEESAP and the on-line monitoring tool for monitoring the implementation of the REEESAP- EA-SA-IO region. The meeting further considered the strategy for gender mainstreaming in renewable energy (RE) and energy efficiency (EE) in the EA-SA-IO region and the credit facility guidelines for promoting energy efficiency projects in the EA-SA-IO region.

30. The meeting further noted that a consultant CPCS Transcom International Limited in association with Multiconsult Norge AS and Econoler was engaged to develop the following guidelines and reports which went through consultative process and were validated by the stakeholders:

- a. minimum energy performance standards (MEPS) and policy guidelines for electric fans and TVs in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) Region;

- b. the on-line monitoring tool for the implementation of minimum energy performance standards (MEPS) and labelling standards in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- c. regional guidelines on demand side management for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- d. regional guidelines on power system losses measurement and mitigation;
- e. lifeline tariff policy and guidelines;
- f. gender mainstreaming strategy and action plan in renewable energy (RE) and energy efficiency (EE) in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- g. credit facility guidelines for energy efficiency projects; and
- h. the revised monitoring and evaluation framework for the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP) and an on-line monitoring tool for monitoring the implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP)- EA-SA-IO region.

Recommendations

31. *The meeting noted the following draft reports and guidelines and recommended them for adoption:*

- a. minimum energy performance standards (MEPS) and policy guidelines for electric fans and TVs in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) Region;*
- b. the on-line monitoring tool for the implementation of minimum energy performance standards (MEPS) and labelling standards in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;*
- c. regional guidelines on demand side management for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;*
- d. regional guidelines on power system losses measurement and mitigation;*
- e. lifeline tariff policy and guidelines;*
- f. gender mainstreaming strategy and action plan in renewable energy (RE) and energy efficiency (EE) in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;*
- g. credit facility guidelines for energy efficiency projects; and*
- h. the revised monitoring and evaluation framework for the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP) and an on-line monitoring tool for monitoring the implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP)- EA-SA-IO region.*

32. The draft minimum energy performance standards (MEPS) and policy guidelines for electric fans and TVs in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO)

Region; the draft on-line monitoring tool for implementation of minimum energy performance standards (MEPS) and labelling standards in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region; the draft regional guidelines on demand side management for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region; the draft regional guidelines on power system losses measurement and mitigation; the draft lifeline tariff policy and guidelines; the draft gender mainstreaming strategy and action plan in renewable energy (RE) and energy efficiency (EE) in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region; the draft credit facility guidelines for promoting energy efficiency projects; and the draft revised monitoring and evaluation framework for the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP) and an on-line monitoring tool for monitoring the implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP)- EA-SA-IO region are attached to this report as Annex II.1 to Annex II.8

F. REVIEW AND ADOPTION OF PLANNED ACTIVITIES FOR THE PERIOD JUNE 2022 – DECEMBER 2023 - AGENDA ITEM 5

33. The meeting considered the planned activities for June 2022 to December 2023 and emphasized the importance of domesticating the guidelines and reports that were developed in the 2021 workplan. In this regard the meeting agreed that the next planning cycle should focus on domesticating the adopted guidelines. The guidelines are follows:

- a. minimum energy performance standards (MEPS) and policy guidelines for electric fans and TVs in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) Region;
- b. the on-line monitoring tool for the implementation of minimum energy performance standards (MEPS) and labelling standards in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- c. regional guidelines on demand side management for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- d. regional guidelines on power system losses measurement and mitigation;
- e. lifeline tariff policy and guidelines;
- f. gender mainstreaming strategy and action plan in renewable energy (RE) and energy efficiency (EE) in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region;
- g. credit facility guidelines for energy efficiency projects; and
- h. the revised monitoring and evaluation framework for the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP) and an on-line monitoring tool for monitoring the implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP)- EA-SA-IO region.

34. The meeting noted that the following activities that were not completed in the 2021 work plan had been spilled over into the 2022 work plan:

- a. review of national energy efficiency (EE) auditing schemes to develop best practices in energy efficiency (EE) audits in the COMESA Member States;
- b. develop best practice model energy/thermal building codes in the COMESA Member States; and
- c. review of methods used to determine energy conversion efficiencies of power plants and plant availability to develop best practices in power plants operation.

35. The meeting noted that the secretariat had been approaching cooperating partners to secure funding for the implementation of the activities not implemented in the 2021 workplan.

36. The meeting noted the planned activities contained in the RAERESA work plan related to the Portfolio Committee on Environment and Energy Efficiency for June 2022 – December 2023. The meeting further noted that the planned activities related to the Portfolio Committee on Environment and Energy Efficiency for June 2022 – December 2023 would be consolidated in the RAERESA work plan for June 2022 to December 2023.

Recommendation

The meeting adopted the work plan of the Portfolio Committee on Environment and Energy Efficiency for June 2022 to December 2023.

G. ANY OTHER BUSINESS - AGENDA ITEM 5

37. There was no item discussed under Any Other Business

H. ADOPTION OF THE REPORT AND CLOSURE OF THE MEETING - AGENDA ITEM 6

Adoption of the Report

38. The meeting adopted the report with amendments.

Closure of the Meeting

39. In her closing remarks, Ms. Bernice Charles, the Principal Officer, Licensing and Enforcement, the Seychelles Energy Commission (SEC), who chaired the meeting of the Portfolio Committee on Environment and Energy Efficiency, thanked the Members of the Portfolio Committee for their active participation in the proceedings that had enabled the meeting to successfully adopt its report.

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Signature of the Chairperson of the Portfolio Committee on Environment and Energy Efficiency of the Regional Association of Energy Regulators for Eastern and Southern Africa (RAERESA):



22nd April 2022

Lusaka, Zambia

LIST OF PARTICIPANTS/ LISTE DES PARTICIPANTS

MADAGASCAR

Mr Hery RAKOTONINDRAINY, Directeur Technique, Ministère de l'Energie et des Hydrocarbures / Office de Regulation Electricite (ORE), Email: h.rakotonindrainy@ore.mg;

Mr. Lantoaritsimba RAVONILALAO, Head of Studies on Supply, Ministère de l'Energie et des Hydrocarbures / Office de Regulation Electricite (ORE), Email: l.ravonilalao@ore.mg;

SEYCHELLES

Ms. Bernice Charles, Principal Officer, Licensing and Enforcement, Seychelles Energy Commission, Email: bcharles@sec.sc;

RAERESA/COMESA SECRETARIAT, BEN BELLA ROAD, P.O. BOX 30051, LUSAKA, ZAMBIA, TEL: + 260 211 229725/32, FAX: +260 211 225107

Dr. Mohamedain E. Seif Elnasr, CEO RAERESA, Email: SeifElnasr@comesa.int;

Mr. Yohane Mukabe, Project Manager, ESREM Project, Email: ymukabe@comesa.int;

Ms Katende Chelemu, Finance Expert ESREM Project, Email: kchelemu@comesa.int;

Ms. Yvonne Mambwe, Administrative Assistant, Email: ymambwe@comesa.int

Mr. Emmanuel Kateule, IT Expert - Information & Networking Division, Email: ekateule@comesa.int

ANNEX II

REPORTS AND GUIDELINES

ANNEX II.1

Minimum energy performance standards (MEPS) and policy guidelines for electric fans and TVs in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) Region.

ANNEX II.2

On-line monitoring tool for the implementation of minimum energy performance standards (MEPS) and labelling standards in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region.

ANNEX II.3

Regional guidelines on demand side management for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region.

ANNEX II.4

Regional guidelines on power system losses measurement and mitigation for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region.

ANNEX II.5

Regional lifeline tariff policy and guidelines for the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region.

ANNEX II.6

Gender mainstreaming Strategy and Action Plan in renewable energy (RE) and energy efficiency (EE) in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region

ANNEX II.7

Credit facility guideline to support energy efficiency projects in the Eastern Africa-Southern Africa-Indian Ocean (EA-SA-IO) region

ANNEX II.8

Revised monitoring and evaluation framework for the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP) and an on-line monitoring tool for monitoring the implementation of the Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP)- EA-SA-IO region