

The EU Technical Assistance Facility (TAF) for the Sustainable Energy

PARALLEL SESSION 3

Harmonisation of the Regulatory Framework for the Electricity Markets in Africa

**25-26 November
PIDA week
Cairo**



Project funded by the EUROPEAN UNION
EuropeAid/Development Cooperation Instrument
DCI-ENV/2013/335-152



Overall objective:

Development of a **harmonized electricity market in Africa** by supporting the AUC/Department of Infrastructure and Energy (DIE) **in implementing and monitoring actions** foreseen in the adopted Electricity Harmonization Regulatory Strategy and Action Plan

Contribution to the new AU initiative:

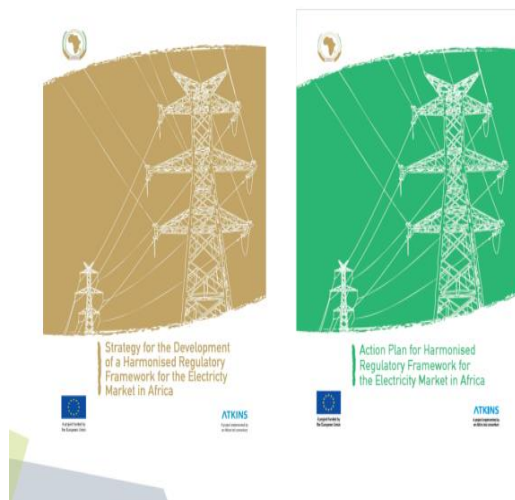
“ Single Electricity Market ”



Harmonized Regulatory Framework for the Electricity Market in Africa (2015-2021)

Adoption of the Strategy and Action Plan by the AU Heads of the States

Produced Documents



Integrated approach:

- * from Strategy to Implementation;
- * from Implementation to Monitoring
- * from AUC to RECs
- * from RECs to MS
- * from MS to AUC



EU TAF Supports AUC for the Harmonisation of the Electricity Market in Africa

The collaboration was implemented in the following phases:

- **Phase 1 (2015-2016):** Development, validation and approval (by the AU Summit) of the “Strategy” and the “Action Plan”
- **Phase 2 & 3 (2017 -2019):** Implementation of the Strategy and Action Plan with the following outcomes:
 - Enhance the continental coordination role of AUC
 - Transmission Tariff & Policy Models for Mini-Grids
 - Energy Efficiency Labelling and (MEPs)
- **Ongoing Phase 4 (2019 – 2020):** Harmonisation of the Electricity Market - implementation Action Plan’s activities and monitoring policies



EU TAF Support to the African Union Commission

Phase 4 2019 – 2020: Including 4 areas and 7 Lots as follows:

- Monitoring & Coordination Framework: Lot 1
- Energy Efficiency - MEPS Labelling: Lot 2, 3 & Lot 6
- Quality Assurance framework for Off-grid Appliances: Lot 4
- Transmission System Tariff : Lots 5 & 7

Approval of Inception Reports (meeting 2-4 Oct, Addis)

Duration 16 months, 12 TAF experts, 1600 working days

Participatory implementation process at 3 levels: Continental, Regional, National



The 7 lots

- **Lot 1:** Monitoring & Coordination Framework – Development of a digital online information platform
- **Lot2:** Monitoring of the implementation of the Minimum Energy Performance Standards (MEPS) and Energy Labelling
- **Lot3:** MEPS enforcement and market surveillance.
- **Lot4:** Energy Efficiency Quality Assurance Frameworks for Off-grid Appliances.
- **Lot 5:** Capacity Building and Training on Transmission Tariffs Calculation Tool
- **Lot 6:** Reduction of Technical Losses of Transmission and Distribution Lines and Smart Networks Management.
- **Lot 7:** Monitoring the Implementation of Continental Transmission Tariff Methodology



Strategic Stakeholders for the Implementation

- AUC-AFREC, AUDA-NEPAD, AFSEC, AFUR, APUA;
- RECs (AMU/UMA, ECOWAS, EAC, IGAD, SADC, COMESA, ECCAS, CENSAD);
- Power Pools (CAPP, EAPP, SAPP, WAPP, COMELEC);
- Regional Regulators/Associations (ERERA, EREA, RAERESA, RERA, AWAUR, IRB of EAPP);
- Regional Centers for RE and EE (ECREEE, RCREEE, EACREE, SACREEE)
- EU, AEEP, AfDB, STC BUT, UNECA, WB, EIB, Florence School, JRC, U4E, ARE Efficiency for Access, EU Professional and Industries Association
- IEA, IRENA, Development and Cooperation Partners

Pilot countries (about 20) for bottom up validation approaches



Lot 1: Monitoring & Coordination Framework

Main Objective

- **To monitor the progress of harmonization of the regulatory frameworks for the electricity sector**, through the development of a continental energy market digital online information platform- portal, issuing regular reports on the continental legal, regulatory and institutional developments.



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Lot 2,3 & 6: Energy Efficiency - MEPS Labelling:

Main Objective

Lot2: A monitoring system/platform for the adoption, implementation and harmonization of the MEPS and energy labelling. Issue the first continental Annual report (for lot 1)

Lot3: Facilitate the promotion of MEPS and labels and development of a Continental platform for test laboratories and market surveillance, transfer of know-how among EU and African manufacturing sector.

Lot6: Draft Continental Guidelines and Strategies for reducing & maintaining the electricity network losses



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This project is funded by the EU and implemented by a consortium led by STANTEC

Lot 4: Quality Assurance framework for Off-grid Appliances

Main Objective

Promotion of energy efficiency quality assurance frameworks for off-grid appliances and develop a guide for implementing standards for appliances used in rural electrification systems



Lot 5 & 7: Transmission System Tariff

Main Objective

Lot5: Build the capacity of stakeholders (Power Polls and Regulators) on the **transmission tariff calculation tool/model**

Lot7: Examine at least 4 international bilateral contracts per power pool on the transmission tariff implementation and to develop Annual report template, format or structure and draft the 1st Annual Report (for lot 1)



Main Deliverables (1/1):

- Digital Information Platform" (lot 1);
- Monitoring & Evaluation (M&E) report on the harmonization of the electricity market (lot 1);
- MEPS - M&E platform
- Report (1st annual report) on the MEPS progress of the implementation and harmonization (lot 2);
- MEPS Market surveillance Strategy and Action plan (lot 3);
- Report on Existing Energy Labelling test laboratories, procedures and facilities (lot 3);
- Roadmap for creation and operationalization of Testing Laboratories meeting needs of Africa (lot 3);

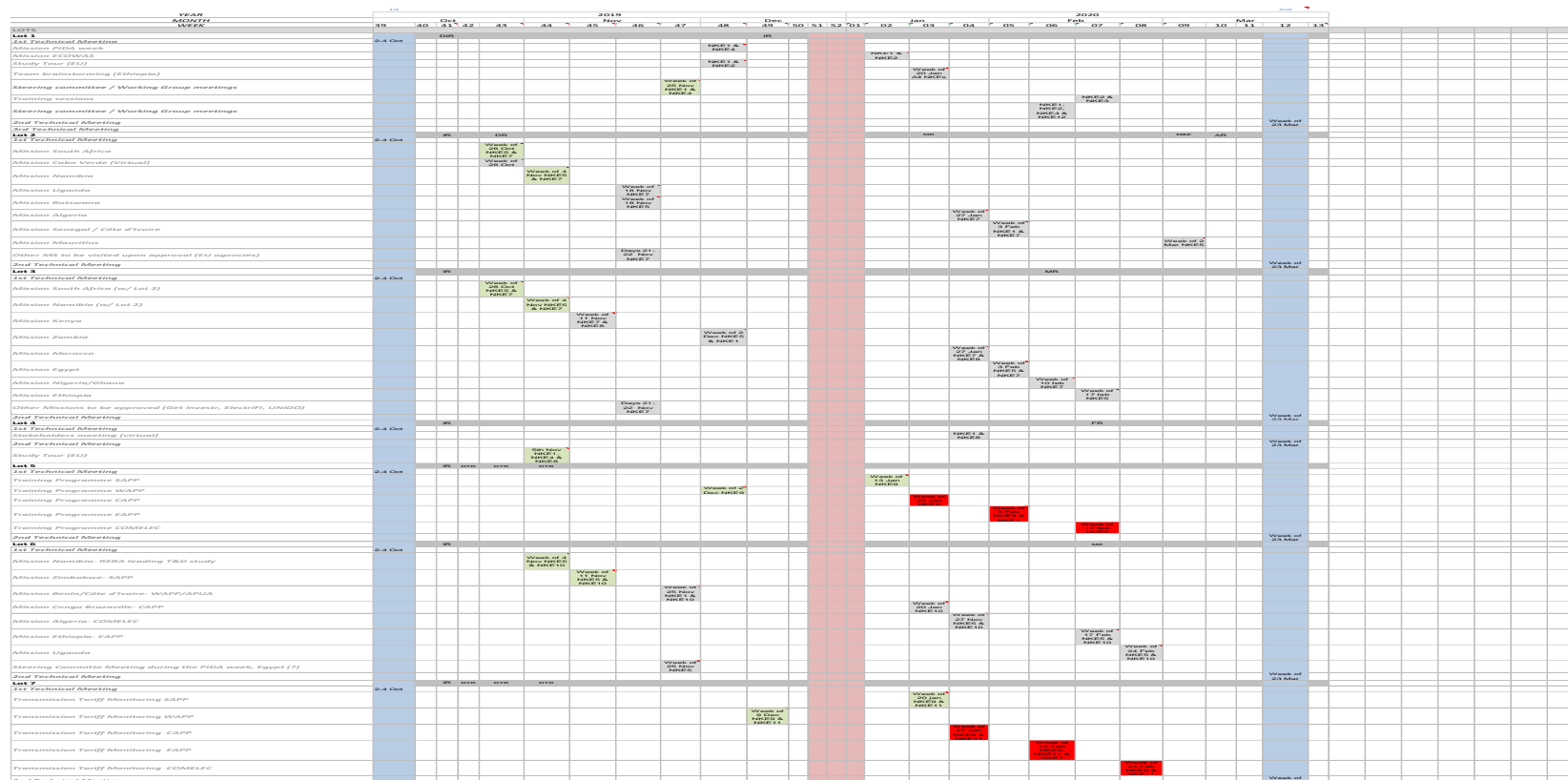


Main Deliverables 1/2:

- Report on the current trends of measurement and standards for off-grid appliances (lot 4)
- Guide for Application of Standards for appliances used in rural electrification systems in Africa" (lot 4);
- Training programme on Transmission Tariff Calculation Tool" (lot 5).
- Continental Guidelines and Strategies for reducing and maintaining electricity network losses" (lot 6);
- Report (1st annual report) on procedure for issuing an "Transmission Monitoring Pricing/Tariff Report" (lot 7)



Planning of Activities- Missions 2019-2020



Implementation - progress (1/1)

- Kick of Meeting (13 Sept 2019)
- 1st Technical Meeting (2-4 Oct 2019)
- AEEP Steering Committee (8 Nov 2019)

Deliverables

- 7 inception reports approved (one per lot)
- Stakeholders meeting for QA frameworks (5 Nov 2019)
- Draft Report on the current trends of measurement and standards for off-grid appliances (lot 4)
- Pilot Countries/RECs missions
 - SADC for lot 2,3 and 6 (SA, Namibia, Zimbabwe);
 - EAC for lot 2 and 3 (Kenya, Uganda)
 - WAPP for lot 6 (Benin, Ivory Coast)



- Digital platform
 - Under development, running on a private virtual server with temporary domain (when delivered will be under AUC domain name): <http://www.electrafrica.info> and <http://survey.electrafrica.info>
- Action Plan Progress Monitoring
 - Indicators per strategic objective of the Action Plan for monitoring progress at Continental, Regional and National levels, coupled with calculation process, input data needed and responsible entity for providing the input data.
 - Pilot mission lot 2, 4 and 7



Thank you

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