



Regional Validation Workshop for the Draft Standards for Electrodomestic Appliances and for Plug & Play Solar home Systems

Venue: Hotel Fleur de Lys , Plateau Dakar - Senegal
Date: 21 – 22 May 2019

Organized by ECREEE through the Regional Off-Grid Electrification Project (ROGEP) and the Project of Improving the Governance of Renewable Energy and Energy Efficiency Sectors in West Africa (AGoSEREE-AO)



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1. Background

The Center for Renewable Energy and Energy Efficiency of ECOWAS (ECREEE). The implementation of renewable energy and energy efficiency policies in the ECOWAS member states, after their adoption by the Heads of State and Government at the 43rd ordinary session held in July 2013, could contribute significantly to solving the problems of access to energy, energy security, mitigation and adaptation of climate change impacts.

The German Federal Ministry for Economic Cooperation and Development (BMZ): through the program "Promotion of a Climate Friendly Energy Market in the ECOWAS region (ProMERC)" implemented by **the Deutsche Gesellschaft für International Zusammenarbeit (GIZ), and the European Union (EU)** under the Regional Indicative Program of the 11th European Development Fund (EDF), co-finance the project "**Improving Renewable Energy and Energy Efficiency Sector Governance**". **West Africa (AGoSEREE-WA)** notably in the 15 ECOWAS Member States and Mauritania. As part of the AGoSEREE-WA project, GIZ supports ECREEE to: a) develop regional renewable energy corridors for solar energy, wind energy and hydropower; (b) assisting ECOWAS Member States in creating an enabling environment for grid-connected renewable energies; c) develop regional standards for renewable energies and introduce them at the national level; (d) establish a regional system for certification of renewable energy skills; e) provide technical assistance to developers of renewable energy grid-connected projects and disseminate the experiences gained with existing projects; f) promote off-grid renewable energy solutions; and (g) promote harmonized regional energy efficiency standards and labeling for electrical appliances and for equipment and renewable energy components, as well as their application at the national level.

The Regional Off-Grid Electrification Project (ROGEP) (ROGEP) financed by the World Bank and implemented the ECREEE, aims at supporting the efforts of the West African countries and the Sahel to accelerate the diffusion of Pico-PV (<10W) systems, Solar Home Systems and other types of stand-alone solar photovoltaic systems for households, public services and productive uses. ROGEP covers the 15 member countries of ECOWAS and 4 other countries (Chad, Central African Republic, Mauritania, and Cameroon). ROGEP has two main components namely: 1) **develop a regional market:** Enabling Environment, Entrepreneurship Technical Supports, Entrepreneurship Financial Support, Barrier Removal for Challenging Markets; 2) **Access to Finance for Stand-alone Solar System Businesses:** Line of Credit for Stand-alone Solar Businesses, Contingent Grant Facility for CFIs. ROGEP, under Component 1, aims to providing significant technical assistance to foster collaboration and enable favorable environment, especially by creating, at both the regional and national levels, the ecosystem necessary for the growth of Off-grid energy sector in West Africa and the Sahel region. Quality assurance is a critical requirement for the growth of the off-grid energy sector. Consumers need to have confidence in the products and have access to important information they can rely on to decide whether to invest in solar products. Broader agreement on solar product quality standards in the Sahel region and West African countries can benefit private-sector solar photovoltaic (PV) manufacturers with access to a broad market contiguous. It is against this background that ROGEE provides the necessary technical assistance for the adoption of a standard for "Plug-and-Play" solar home kits from 10 to 350Wc at the regional level.

The Department of Industry and Promotion of the Private Sector of ECOWAS: as part of the implementation of the Quality Policy (ECOQUAL), the Commission and the Experts of the Member States have submitted for adoption Statutory Document on Model and Principle of Harmonization of Standards in ECOWAS (ECOSHAM). Through the document, ECOSHAM adopted by regulation C / REG.14 / 12/12 of 02 December 2012, the process of harmonization of regional standards is conducted by the ECOSHAM Secretariat housed within the ECOWAS Commission Directorate for Industry.

It is against this background, within the framework of the projects AGoSEREE-AO and ROGEP, ECREEE, with the support of GIZ, and the World Bank and in partnership with the ECOSHAM Secretariat, is organizing a regional workshop to validate draft regional minimum energy performance standards for household appliances and the regional standard for Plug and Play solar homes kits with capacity 10-350Wp.

In addition, a meeting of the ECOSHAM Technical Management Committee (TMC) will be organized by the ECOSHAM Secretariat under the financing of the AGOSEREE-AO and ROGEP projects, just after the regional workshop. This meeting, which concerns only the national standardization bodies, aims to examine all the draft standards in order to instruct the Electrotechnical Committee to begin work on the harmonization of these standards.

2. Objectives of the Workshop

The objectives of the regional workshop is:

- To present the reports produced and collect comments and contributions from participants;
- To validate the draft of the three (3) EA standards for appliances before submission to ECOSHAM;
- To validate the draft of ECOWAS Regional standard for plug-and-play Solar Home Systems kits (10 to 350 Wp) before submission to ECOSHAM;
- To validate the strategy for implementing regional standards at the national level
- For ECOSHAM secretariat to instruct the Electrotechnical Committee (THC5) to begin work on harmonizing for all EE and RE standards.

3. Expected results

The expected results of the workshop are:

- The draft documents of the 3 regional standards for household appliances are validated for submission to ECOSHAM;
- The draft Regional Standard for Plug and Play Solar Kits is validated for submission to ECOSHAM;
- The report and recommendations of the validation workshop are developed;
- The strategy for implementing regional standards at national level is validated;
- The Electrotechnical Committee (THC5) to begin work on harmonizing for all EE and RE standards, is instructed.

4. Target groups

The participants to the workshop, are:

- Representatives of Ministries in charge of Energy;
- Heads of National Standardization Organizations;
- ECOWAS Commission - Industry Directorate ;
- UEMOA
- WAPP
- ERERA
- European Union
- World Bank
- GIZ

- ECREEE/ROGEP staff
- AGoSEREE-OA staff
- Other National, Regional and International Institutions.
- Resource persons/Experts
- Consultants.

5. Accommodation and logistics

ECREEE and GIZ through the ROGEP and AGOSEREE-OA projects will finance the participation of the representatives of the Ministries, standardization bodies, UMEOA and ECOWAS institutions invited, including flight tickets and Perdiems.

6. Program

Items	Number of days	Period
Regional workshop for validation of draft standards	02	21-22 May 2019
P.M. Meeting of the ECOSHAM Technical Management Committee (TMC)	03	23-25 May 2019

7. Detailed program of the workshop

Day 1: Tuesday, 21 May 2019

08:00	Arrival and registration of participants
Session 1:	Opening of the workshop
08:30-10:00	<ul style="list-style-type: none"> • Executive Director, ECREEE • World Bank Country Director, Senegal • Head of European Union Delegation • Minister of Petroleum and Energy of Senegal
10:00-10:15	Group picture
10:15-10:30	Coffee Break
Session 2:	Introduction
10:30 -11:30	<ul style="list-style-type: none"> • Presentation on the process of harmonization of ECOWAS standards, by Mensan (ECOWAS) • ROGEP: Introduction to the study of the standard on solar home kits, by Hamadou (ECREEE)
Session 3:	Presentation of the study on the state of standards on solar home kits
11:30- 13:00	<ul style="list-style-type: none"> • Presentation: Results of the study "Evaluation and Analysis of Existing Standards for Plug-and-Play Solar Home Kits and Components of Solar Systems and Recommendations of Standards More Appropriate for ECOWAS-By Luis Navarte/Maria Garcia (IPUM-IES/PVRES) • Discussions and adoption
13:00-14:00	Lunch
Session 4:	Proposed draft of the regional standard for solar home kits
14:00- 15:30	<ul style="list-style-type: none"> • Presentation of the Proposed Draft Regional Standard for Plug and Play Home Solar Kits (0 -350W) for ECOWAS-by TBD/(Lightning Global) • Discussions and adoption
15:30-16:00	Coffee Break
16:00	End of Day1

Day 2 : Wednesday , 22 May 2019

Session 5: Introduction and presentation Objectives	
08:00-10:00	<ul style="list-style-type: none"> • Introduction of ToR for the study on new ECOWAS regional standards for household appliances and the implementation strategy at national level, by Ibrahim Soumaila(GIZ) • Presentation of the Status Report / Reference Report, by Paul Waide (ECONOLER) • Discussions and adoption
10:00-10:15	Coffee Break
Session 6: Proposed Draft Household Appliance Standards	
10:15 -11:15	<ul style="list-style-type: none"> • Proposed Draft Standard for Fans, by Antoine Durand (ECONOLER) • Discussions and adoption
11:15- 12:15	<ul style="list-style-type: none"> • Proposed draft standard for electric water heaters, by Paul Waide (ECONOLER) • Discussions and adoption
12:15 -13:15	<ul style="list-style-type: none"> • Presentation of the draft standard of TV, by Normand Michaud (ECONOLER) • Discussions and adoption
13:00-14:30	Lunch
Session 7: Proposed Draft Appliance Standards - Continued	
14:30 -15:30	<ul style="list-style-type: none"> • Presentation of the draft standard of TV, by Normand Michaud (ECONOLER) • Discussions and adoption
15:30 – 16:00	Coffee Break
16 :00 – 167:00	Closure of the Workshop
	<ul style="list-style-type: none"> • Presentation of the key points of the workshop, by the rapport • Discussions • Closure of the workshop, by the Chairman
16:30 – 17:00	End of the Workshop



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