



Economic Community  
Of West African States



Communauté Economique  
Des Etats de l'Afrique de l'Ouest

**WEST AFRICAN POWER POOL**  
**SYSTEME D'ECHANGES D'ENERGIE ELECTRIQUE OUEST AFRICAIN**  
*General Secretariat / Secrétariat Général*

**15<sup>th</sup> Donors' Coordination Meeting**

*Cotonou, April 21<sup>st</sup>, 2009*

**AIDE MEMOIRE**



## A. INTRODUCTION.

The 15<sup>th</sup> Donors' Coordination meeting of the West African Power Pool (WAPP) took place at the Novotel Hotel in Cotonou on April 21<sup>st</sup>, 2009. The meeting was organized by the WAPP Secretariat and chaired by the Chairperson of the WAPP Executive Board, Engr. (Dr) Joseph Makoju.

The Vice-Chairperson of the WAPP Executive Board, Mr. Salif L. Kabore also attended the meeting.

The following Donors and development Agencies were represented: World Bank (WB), African Development Bank (AfDB), European Investment Bank (EIB), Agence Française de Développement (AFD), European Commission (EC), Japanese International Cooperation Agency (JICA), Kreditanstalt für Wiederaufbau (KfW), and West African Development Bank (BOAD).

The following Managing Directors and Director Generals of WAPP member utilities were in attendance or represented: Communauté Electrique du Bénin (CEB), Volta River Authority (VRA), Société Béninoise d'Énergie Electrique (SBEE), Electricity Company of Ghana (ECG), Société de Gestion de l'Énergie de Manantali (SOGEM), and Société Nationale d'Électricité du Sénégal (SENELEC).

The following regional organizations were represented: Organisation pour la mise en Valeur de Fleuve Gambie (OMVG) and Organisation pour la mise en Valeur de Fleuve Senegal (OMVS).

The Projects Status Matrix accompanying the Aide-Memoire and List of Participants are attached as Annex.

The Agenda of the meeting was the following:

1. Consideration and adoption of the Aide-Mémoire of the 14<sup>th</sup> WAPP Donors' Coordination meeting;
2. Update on the status of implementation of:
  - Ongoing priority projects;
  - Emergency Power Supply and Security Plan;
  - MV Cross Border Projects
3. Update on the development of the WAPP Information and Coordination Centre.
4. Presentation on the 2009 – 2012 WAPP Business Plan
5. Discussions and statements by Donors



## **B. OUTCOME OF MEETING.**

### **1. Review and Adoption of the Aide-Mémoire of the 14<sup>th</sup> WAPP Donors' Coordination meeting;**

The Aide-Memoire of the 14<sup>th</sup> WAPP Donors' Coordination meeting that was held in Cotonou on October 30th, 2008 was presented by the Secretary General of WAPP. The Aide-Memoire was unanimously adopted.

### **2. Update on the status of implementation of WAPP Projects;**

A presentation was made by the WAPP Secretariat on the status of delivery of the WAPP Projects. The presentation indicated the progress made on the implementation of the projects and furthermore illustrated that the implementation strategy employed by the WAPP for the realisation of the WAPP Infrastructure Program was based on the implementation of key sub-programs that included the Coastal Transmission Backbone Subprogram (*Cote d'Ivoire, Ghana, Benin/Togo, Nigeria*), the Inter-zonal Transmission Hub Sub-program (*Burkina Faso, OMVS via Mali, LSG via Cote d'Ivoire*), the North-core Transmission Sub-program (*Nigeria, Niger, Burkina Faso, Benin*), the OMVG/OMVS Power System Development Subprogram (*The Gambia, Guinea, Guinea Bissau, Mali, Senegal*) and the Cote d'Ivoire – Liberia - Sierra Leone - Guinea *Re-development Subprogram (Cote d'Ivoire, Liberia, Sierra Leone, Guinea)*.

The presentation further indicated that funding was being mobilised from the EIB to implement pre-investment studies on the Cote d'Ivoire – Ghana Interconnection Reinforcement Project, construction on the 330 kV Aboadze – Volta and 225 kV Bobo Dioulasso – Ouagadougou Transmission Line Projects were advancing, and that closure of the financing gap on the 330 kV Volta – Lome 'C' – Sakete Interconnection Project was being finalised with the KfW.

The presentation in addition indicated that pre-investment studies on the 225 kV Bolgatanga (Ghana) – Ouagadougou (Burkina Faso) Interconnection Project, the Han (Ghana) – Bobo Dioulasso (Burkina Faso) – Sikasso (Mali) – Bamako (Mali) Interconnection Project and the Cote d'Ivoire – Liberia – Sierra Leone – Guinea (CLSG) Interconnection Project were ongoing. The presentation furthermore indicated that consultants had been recruited to implement pre-investment studies including bidding documents on the medium voltage cross border projects. The presentation indicated that Terms of Reference and Requests for Funding for pre-investment studies on the Guinea – Mali Interconnection Project were being finalised.

The presentation informed the meeting that a funding gap of approximately US\$116 million was still outstanding on the 60 MW Felou Hydropower Project, which the WAPP was working with SOGEM, WB, EIB and AFD to resolve. The WAPP was also following up with OMVS-SOGEM on the fulfilment of the respective loan covenants governing the implementation of the project.

The meeting also took note from the presentation that on the OMVG Energy Project, the pledges already made by Donors covered 64.6% of the total project cost implying that a gap of approx. US\$469.4 equivalent still remained outstanding. As a result, phased implementation of the project was being considered. The AfDB had appraised the project and



were finalising the Appraisal Report for submission to their Board for approval. The meeting was informed by OMVG that during the appraisal mission conducted by AfDB, it was agreed that the other Donors interested in the project would be urged to undertake joint appraisal missions in order to advance the project. The meeting was also informed that after the 2<sup>nd</sup> Donor Roundtable on the project, the total project cost had been confirmed to have increased by 9.5%.

The meeting was informed by OMVS that it was implementing a study to establish the hydropower potential of all the hydro resources within its purview. The Koukoutamba site had been confirmed to have a potential of approximately 280 MW and that its detailed pre-investment study would be available in 2010. The meeting was also informed that there was a need to develop an integrated network capable of addressing power exchanges within the sub-region. Within this framework, a transmission network study was being implemented by OMVS with IDA financing, in which interconnection with the OMVG was foreseen. OMVS urged that WAPP Projects such as the Gouina Hydropower Project be developed through public private partnerships in order to take full advantage of the benefits to be derived and to ensure a more equitable distribution of project risk.

The meeting, after examining and adopting the updated Status of Projects Matrix attached as Annex 1, commended the WAPP Secretariat for the progress made this far with the implementation of the WAPP Priority Projects. The WAPP Secretariat urged Member Utilities to constantly provide timely information to the WAPP Secretariat on the status of projects to ensure that the matrix was up-to-date.

### **3. Update on the development of the WAPP Information and Coordination Centre;**

The WAPP Secretariat gave a presentation on the status of realisation of the WAPP Information and Coordination Centre (ICC). The presentation reminded the meeting that the WAPP Operations Manual, consisting of eight policies, was developed by WAPP experts with support from USAID Technical Assistance as a set of rules, principles, requirements, standards, criteria and procedures to be observed by WAPP Members for the smooth technical functioning of the Power Pool. The development of the Operations Manual was also a key component of the WAPP APL Facility established by the World Bank.

The meeting was informed from the presentation that the WAPP Operations Manual was adopted by the WAPP Executive Board for full deployment on the WAPP interconnected system. Gap analyses were subsequently carried out to determine among others, the investment requirements needed to ensure that WAPP Members would fully conform to the prescriptions of the Operations Manual. The outcome of the gap analyses was that investment was required in areas that included upgrade of substation equipment, SCADA and Communication, Operating Procedures and capacity building. The associated approximate cost to address the gaps was estimated at US\$13 million

### **4. Presentation on the 2009 – 2012 WAPP Business Plan;**

The WAPP Secretariat gave a presentation on the draft Business Plan for the WAPP for the period 2009 to 2012. The presentation gave a brief description on the methodology employed to develop the draft Business Plan that included:



- ✓ evaluation of the status of implementation of the priority projects and global objectives that were defined in 2006;
- ✓ definition of new strategic objectives that would guide the activities of WAPP from 2009 to 2012 in the development of production and transmission infrastructure and the establishment of the regional electricity market;
- ✓ establishment of a priority action plan for the period based on among others, an evaluation of the current functioning of WAPP and the new strategic objectives;
- ✓ re-organisation of the WAPP Secretariat to enable implementation of the strategic objectives;
- ✓ evaluation of the human and financial resources required by the WAPP Secretariat in the execution of its mission.

The presentation indicated that in addition to the objectives defined in 2006, the WAPP would have to achieve the following priority objectives in line with its mandate:

- Updating of the Electricity Generation and Transmission Master Plan;
- Implementation of the regional electricity market;
- Development of a regional strategy for the implementation of WAPP infrastructure projects through a Special Purpose Company (SPC);
- Set-Up Effective Monitoring & Evaluation System;
- Implementation of WAPP Staff Training Program.

The ensuing budget for the proposed activities by the WAPP Secretariat in the period 2009 to 2012 was estimated at approximately US\$ 68.9 million including:

- US\$ 34.5 million for activities relating to the implementation of the WAPP Priority Projects Investment Program;
- US\$ 22.6 million for the implementation of the regional electricity market and acquisition of equipment for the WAPP ICC;
- US\$ 1.354 million for the realisation of a training program;
- US\$ 10.4 million for the functioning of the WAPP Secretariat.

Objectifs	Activités	2009-2012	2009	2010	2011	2012
Projets prioritaires	EEEOA	7382	1778	1961,4	1849,32	1793,28
	Bailleurs de Fonds	27130	6511,2	8139	6782,5	5697,3
	<b>Sous total</b>	<b>34512</b>	<b>8289,2</b>	<b>10100,4</b>	<b>8631,82</b>	<b>7490,58</b>
Mise en œuvre du Marché	EEEOA	2270	854	495,6	467,28	453,12
	Bailleurs de Fonds	1600	384	480	400	336
	Equipement	18746		8750	9996	
	<b>Sous total</b>	<b>22616</b>	<b>1238</b>	<b>9725,6</b>	<b>10863,28</b>	<b>789,12</b>
Plan de formation	EEEOA	968,69	232,4856	290,607	242,1725	203,4249
	Bailleurs de Fonds	385	92,4	115,5	96,25	80,85
	<b>Sous total</b>	<b>1353,69</b>	<b>324,88</b>	<b>406,11</b>	<b>338,42</b>	<b>284,27</b>
Fonctionnement du Secrétariat	Cabinet du SG	1313	269	338	348	358
	PIPES	1512	142	396	480	494
	CIC	3198	279	483	1200	1236
	DAF	1458	333	364	375	386
	Person. contractuel	272	65	67	69	71
	Autres coûts d'exploitation	2682,31	270,51	516,39	842,23	1053,18
	<b>Sous total</b>	<b>10435,31</b>	<b>1358,51</b>	<b>2164,39</b>	<b>3314,23</b>	<b>3598,18</b>
<b>Total</b>		<b>68917</b>	<b>11210,6</b>	<b>22396,5</b>	<b>23147,75</b>	<b>12162,15</b>



## **5. Statements from Donors.**

Following the presentations and discussions, the various interventions by the respective donors are summarized as follows:

### **5.1. African Development Bank (AfDB):**

The AfDB indicated that through NEPAD IPPF, it was supporting the implementation of pre-investment studies on the Bolgatanga – Ouagadougou Interconnection Project. The AfDB also indicated that it was participating in the financing of the 330 kV Volta – Lome ‘C’ - Sakete Interconnection Project and would continue to lead the research for funding on the OMVG Energy Project. The AfDB took the occasion of the meeting to urge the funding agencies involved in the OMVG project to accelerate their appraisal of the project in order to enable the effective commencement of works.

The AfDB indicated its firm interest to support the Cote d’Ivoire – Liberia – Sierra Leone – Guinea Interconnection Projects upon completion of the pre-investment studies. The AfDB also indicated that it would investigate possibilities for funding the medium voltage cross border projects involving The Gambia, Senegal and Guinea Bissau and requested for the project profile documents from WAPP.

The AfDB took the opportunity to inform the meeting about the Programme for Infrastructure Development in Africa (PIDA). Being a joint initiative led by the African Union Commission (AUC), the NEPAD Secretariat and the African Development Bank (AfDB), PIDA is a merger of the AUC Master Plan and Continental Policies Studies and the NEPAD Medium to Long Term Strategic Framework (MLTSF). The PIDA aims at aiding African decision makers to among others, establish a strategic framework for the development of regional and continental water, energy, transport and information and communication technologies infrastructure based on a vision, strategic objectives and sector policies. PIDA would also support African decision makers to formulate a prioritised and phased programme of infrastructure development and prepare an implementation strategy and process for the programme, including, in particular, a priority action plan.

### **5.2. Agence Française de Développement (AFD):**

The Agency indicated that it had been supporting WAPP since its inception and would continue to do so in addition to funding the development of the ERERA in collaboration with the ECOWAS Commission. The Agency indicated that it was supporting the EU-Africa Infrastructure Trust Fund, which was already funding pre-investment studies on the Cote d’Ivoire – Liberia – Sierra Leone – Guinea Interconnection Project. AFD congratulated WAPP on the progress made to date and re-affirmed its support towards the WAPP.

### **5.3. European Commission (EC):**

The EC indicated that it was funding a resident 3-yr Technical Assistance to the WAPP Secretariat as capacity building to the WAPP with a focus on project management and environmental safeguards. The EC also indicated that it was co-funding Medium Voltage cross-border projects involving Liberia, Cote d’Ivoire,



Ghana, Togo and Burkina Faso, under the framework of the ACP-EU Energy Facility that were being implemented by the WAPP Secretariat and the concerned countries. The EC informed the meeting that the second energy facility would be launched very soon and urged WAPP to submit proposals when the facility becomes operational.

#### **5.4. European Investment Bank (EIB):**

The EIB indicated that it was providing funding for the pre-investment studies on the Han-Bobo-Dioulasso- Sikasso- Bamako interconnection. In addition, the EU-Africa Infrastructure Trust Fund, with the EIB and KfW acting as implementing agents, was funding implementation of pre-investment studies on the Côte d'Ivoire-Liberia-Sierra Leone- Guinea interconnection project. The EIB was also examining the WAPP request for funding for implementation of pre-investment studies on the Cote d'Ivoire – Ghana Interconnection Reinforcement Project. The EIB would be very interested in financing implementation of these projects upon completion and positive outcome of their preparatory studies.

The EIB was also participating in the financing of the OMVS 60 MW Felou Hydropower project and the 330 kV Aboadze - Volta Transmission line project and urged that appropriate steps be taken to overcome the constraints prevailing on the projects. The EIB indicated that it had already communicated its firm interest in supporting the implementation of the OMVG energy project and was following very closely developments on the OMVS Gouina Hydropower project.

With regards to the OMVS 60 MW Felou Hydropower Project, EIB re-affirmed its fervent desire for the implementation of the project to be accelerated and urged that the financial situation with SOGEM be addressed soonest. The EIB also indicated that it was working very closely with SOGEM and WB for the fulfilment of the project loan covenants.

EIB indicated that it would continue to support the WAPP and be part of various initiatives provided the following is available: (i) full bankable documentation (ii) early involvement of financiers (in particular for procurement and environmental aspects) (iii) implementation strategy (IPP, BOT, PPP, public, private, etc.) (iv) adequate institutional and financial conditions of the borrowers/promoters. The EIB indicated its particular interest in financing gas-fired combined cycle plants and hydropower plants in addition to studies linked to project preparation. Within this framework, the EIB could be interested in supporting the realisation of the WAPP EPSSP.

The EIB further indicated that it would examine the 2009 – 2012 WAPP Business Plan in more detail with a view to identifying possible areas of support by the EIB.

#### **5.5. Japanese International Cooperation Agency (JICA);**

JICA indicated that this meeting was their maiden participation in the WAPP Donor Coordination meeting and established its thanks to the WAPP for the invitation. JICA indicated that it was keenly interested in supporting the development of the WAPP and looked forward to strengthening the collaboration between WAPP and JICA.



## 5.6. Kreditanstalt für Wiederaufbau (KfW);

KfW indicated that it had intentions to participate in financing :

- 1) on Togo territory: the construction of the line 330 kV Volta – Lome ‘C’ – Sakété;
- 2) an electrical substation near Lomé - in order to connect this transmission line with the local grid;
- 3) in Benin: the transmission line 161 kV Sakété – Port–Novo plus the station Tanzoun (Benin).

All three financings are planned to be grants and have already been allocated formally through the German government; except for the Togo transmission line financing. Formal allocation by the German Government is expected soon.

KfW has visited the sites during a pre-appraisal mission in November 2008 and started discussing the contracts for the Benin project in February 2009. The schedule of KfW for 2009 foresees the signing of the contracts of all three mentioned projects and the beginning of the workings for the transmission line to Porto Novo.

KfW took the opportunity of the meeting to underscore its commitment towards the development of the WAPP and the intensifying of cooperation.

## 5.7. West African Development Bank (BOAD):

The BOAD indicated that its major objective was to contribute to the financing of the economic development of Member States within a regional framework. As a result, BOAD was always ready to support regional bodies that promote the development of UEMOA countries such as the WAPP, with its efforts to interconnect the national electricity systems in West Africa and establish a regional electricity market.

Within this framework, BOAD has participated in the financing of the 330 kV Ikeja West (Nigeria) – Sakete (Benin) Interconnection Project and is participating in the financing of the Cote d’Ivoire – Mali Interconnection Project. BOAD was considering a request from CEB to participate in the financing of the 330 kV Volta (Ghana) – Lome ‘C’ (Togo) – Sakete (Benin) Interconnection Project. BOAD has also provided a Project Advance for the funding of feasibility, detailed engineering design, environmental and social impact assessment studies for the 330 kV Volta (Ghana) – Lome ‘C’ (Togo) – Sakete (Benin) Interconnection Project.

Comment [M1]: CLARIFICATION NEEDED

BOAD indicated its keen interest in supporting the WAPP Priority Projects involving countries in the UEMOA region, in particular, the OMVG Energy Project, 450 MW WAPP Maria Gleta Power Generation Facility, 330 kV WAPP Northcore (Nigeria, Niger, Burkina Faso, Benin), Han (Ghana) – Bobo Dioulasso (Burkina Faso) – Sikasso (Mali) – Bamako (Mali) Interconnection Project etc.

## 5.8. The World Bank (WB);

The WB indicated that a cumulative amount of US\$175m out of the US\$350m WAPP Adjustable Program Lending Facility had been approved to date by the WB Board of Directors for the benefit of the WAPP Coastal Transmission Backbone and the



60 MW Felou Hydropower Plant. The WB indicated that it was extremely vital that the pace of implementation of projects commensurate the rate of disbursements to avoid jeopardizing funding for other WAPP projects. The WB informed the meeting that it would fund US\$85 million of the funding gap on the 60 MW Felou Hydropower Plant to complete the US\$31 million to be provided by SOGEM. The WB indicated that it was also participating in the financing of the OMVG Energy Project, supporting private sector participation in the WAPP EPSSP and the implementation of the WAPP Inter-Zonal Transmission Hub Subprogram.

With regards to the EPSSP, the WB indicated that Partial Risk Guarantees could be provided for commercial lenders but this would require among others, an assessment of the creditworthiness of the utilities that would be involved in the project. The WB also indicated that the International Finance Corporation (IFC) could be interested in equity participation in the projects or could provide a loan. The WB proposed to set up a meeting between the IFC and WAPP to further discuss.

The WB indicated that it could provide between US\$150 million and US\$180 million grant funding to Liberia with co-financiers, as support towards the implementation of the WAPP Cote d'Ivoire – Liberia – Sierra Leone – Guinea Interconnection Project and urged WAPP Secretariat to accelerate implementation of the pre-investment studies. The WB also informed the meeting that it had begun preparatory work for the establishment of a Project Preparation Facility for the CLSG project to support the further development of the project.

The WB further indicated that it was providing capacity building support to the WAPP in M&E and MIS. The WB indicated its interest to provide support in the realization of the 2009 – 2012 WAPP Business Plan and would further engage WAPP on the issue. The WB made suggestion to the WAPP to explore collaborations with institutions such as the Nordic Development Fund to secure support for the realization of the WAPP ICC.

*Done and adopted in Cotonou this day of April 21<sup>st</sup>, 2009.*



**Revised WAPP Generation and Transmission Master Plan  
WAPP Priority Projects  
TABLE 1: Project Preparatory Studies (US\$ thousands)**

No.	Project	Type of Study	Objective	Cost of Study	Funds Committed	Funding under Negotiation	Financing Gap	Funding Sources	Project Status	Followup Actions Required
<b>A: WAPP Coastal Transmission Backbone Sub-program</b>										
1	Ghana- Cote d'Ivoire (2nd Transmission Line Abobo-Prestea)	Feasibility + ESIA + Bidding Docs	To provide adequate capacity for unconstrained power trade between Ghana and Cote d'Ivoire	2,275	0	0	2,275	EU-Africa Trust Fund/EIB	ONGOING: EU-Africa Infrastructure Trust fund through EIB have conveyed their approval to fund pre-investment studies. Draft TOR documents have been prepared. EIB are preparing Grant Agreement.	WAPP and EIB to finalise and sign Grant Agreement to allow WAPP recruit Consultants
2	Emergency Preparedness Plans of Hydro Power Facilities: - Kpong (VRA) - Nanagbeto (CEB)	Dam Safety , Bidding Docs. (Kpong = US\$500K, Nanagbeto = US\$500K)	To prepare Emergency Preparedness Plans for sub-regional hydropower plants	1,400	1,400	0	0	WB/IDA	ONGOING: Funding for Kpong and Nanagbeto study under APL-1. Recruitment of Consultants in progress. Contract negotiations concluded for Kpong and draft contract sent to WB for No Objection.	WB to convey No Objection on draft Contracts.
<b>SUBTOTAL</b>				<b>3,675</b>	<b>1,400</b>	<b>0</b>	<b>2,275</b>			
<b>B: WAPP Inter-zonal Transmission Hub Sub-program</b>										
3	225 kV Bolgatanga-Ouagadougou (Ghana - Burkina Faso Interconnection)	Feasibility Update + Environmental Update + Bidding Docs	To interconnect the networks of Ghana and Burkina Faso for export of lower cost power from Ghana	1,902	1,902			NEPAD-IPPF, USAID, AFD-DBSA, SONABEL, VRA	ONGOING: Contracts signed February 21, 2008 for implementation of studies. Implementation of studies commenced in June 2008 and expected to be completed in August 2009.	WAPP to manage implementation of studies
4	161 kV Tumu-Han-Wa Transmission Line (Ghana)	Engineering, ESIA + Bidding Docs	To close northern transmission loop in Ghana as pre-condition for Ghana - Burkina Faso - Mali interconnection	970	970			WB/IDA	ONGOING: WB financing for VRA preparation of Engineering, ESIA and bidding package included in APL 1. Recruitment of Consultant by VRA in progress. Draft contracts sent to WB for No Objection. Project earmarked to be implemented under APL3.	WB to convey No Objection on draft Contracts.
5	330 kV Aboadze - Prestea - Kumasi - Han Transmission Line (Ghana)	Engineering, ESIA + Bidding Docs	To provide adequate capacity for unconstrained power trade between Ghana, Cote d'Ivoire, Burkina Faso, Mali and the OMVS region.	850	850			WB/IDA	ONGOING: WB financing for VRA preparation of Engineering, ESIA and bidding package included in APL 1. Recruitment of Consultant by VRA in progress. Draft contracts sent to WB for No Objection. Project earmarked to be implemented under APL3.	WB to convey No Objection on draft Contracts.
6	Guinea - Mali Interconnection Project (Nzerekore - Fomi - Linsan - Bamako Transmission Line Project)	Feasibility + ESIA + Bidding Docs	To interconnect the networks of Guinea and Mali for export of lower cost power from Fomi	2,500			2,500		FUNDING REQUIRED: TOR documents for pre-investment studies are being prepared and a Request for funding shall be sent to WAPP Donors.	WAPP to secure funding for implementation of pre-investment studies.
7	225kV Laboa-Ferke Transmission Line (Cote d'Ivoire)	Feasibility Update + ESIA Update + Bidding Docs	To reinforce the Cote d'Ivoire network to enable it support power exchanges with Mali and Burkina Faso.	2,000			2,000		FUNDING REQUIRED: Donor Consultation Meeting held in June 2007 in Abidjan to re-launch projects. Govt of Cote d'Ivoire in negotiation with Govt of India to secure funding gap to implement project. BOAD and EBID have indicated firm interest to participate in the funding of the project. Feasibility Study update and ESIA required.	WAPP to secure funding for implementation of pre-investment studies.
8	Han-Bobo Dioulasso-Sikasso-Bamako (Ghana - Burkina Faso - Mali Interconnection)	Feasibility + ESIA + Bidding Docs	To interconnect the networks of Ghana, Burkina Faso and Mali for export of lower cost power from Ghana	2,500	2,500		0	EIB	ONGOING: Contracts for implementation of pre-investment studies signed in July 2007 with KEPCO. Environmental Permits received in Mali and Ghana. Final ESIA reports being reviewed in Burkina Faso. Feasibility Study is in progress. Project earmarked to be implemented under APL3. Expected completion of studies, June 2009	WAPP to continue to manage implementation of study.
<b>SUBTOTAL</b>				<b>10,722</b>	<b>6,222</b>	<b>0</b>	<b>4,500</b>			
<b>C: WAPP Northcore Transmission Sub-program</b>										
9	WAPP NorthCore 330 kV Project (Nigeria - Niger - Burkina Faso - Bénin Interconnection)	Feasibility	To interconnect the networks of Nigeria, Niger, Benin and Burkina Faso	400	400			NIGELEEC, CEB, PHCN, SONABEL (Utilities)	ONGOING: MDs/DGs involved adopted outcome of Consultant's report in December 2007. Implementation of supplementary studies was recommended and are being currently implemented.	Utilities to continue to manage implementation of supplementary studies and present report to WAPP upon completion
10	Refurbishment of Hydro Power Facilities (Kainji, Jebba.)	Dam Safety , Bidding Docs.	Refurbishment of hydropower facilities to improve delivery of ancillary services and sub-regional system balancing capabilities.	500	500			WB/IDA	COMPLETED: WAPP and NBA signed Cooperation Agreement in Aug 2007 for the monitoring of implementation of the rehabilitation of the power-supply related aspects of the Kainji and Jebba Dams. Contractor for rehabilitation recruited.	WAPP to support NBA in the monitoring of the works on the electro-mechanical component of the rehabilitation.
<b>SUBTOTAL</b>				<b>900</b>	<b>900</b>	<b>0</b>	<b>0</b>			



D: WAPP OMVG + OMVS Power System Development Sub-program										
11	225 kV OMVG Loop (Gambia, Guinea Bissau-Senegal-Guinea Interconnection) + Hydro sites at Kaleta and Sambangalou	Detailed Design, ESIA studies & Institutional support	To interconnect the networks of Gambia, Guinea Bissau-Senegal-Guinea Interconnection Project and the OMVS network.	5,346	5,346	0		ADB, ECOWAS, OMVG Member States, WB-PPIAF	COMPLETED: Final reports validated in December 2006. Institutional Study completed.	
12	Guinea Bissau Component:	Indicative Planning	To provide emergency support to Guinea Bissau in anticipation of the advent of OMVG.					ECOWAS	WAPP provided Technical capacity building to EAGB in May 2008. ECOWAS, with support from WAPP, is providing financial support and developing an emergency program in line with outcome of 35th Meeting of ECOWAS Heads of State held in Abuja, Dec 19, 2008. ECOWAS-WAPP Appraisal mission to Guinea Bissau in February 2009	ECOWAS - WAPP to finalise project document with government of Guinea Bissau.
13	The Gambia Component Program	Indicative Planning	To define required works to be done in order to optimally absorb energy from OMVG network	1000			1000		FUNDING REQUIRED: Project Concept Documents developed by WAPP Taskforce	OMVG to submit Funding requests to Donors
14	Guinea Component: Greater Conakry Area	Indicative Planning	To define required works to be done in order to optimally absorb energy from OMVG network	1000			1000		FUNDING REQUIRED: Project Concept Documents already by WAPP Taskforce. AIDB providing assistance, IDB have indicated interest to provide assistance	EDG to update WAPP on assistance being provided by AIDB and IDB
15	Optimal Strategy for Hydropower Resource Development in Guinea	Strategic	To formulate a coherent strategy for the development of hydroelectric power resources in Guinea in a manner that would minimize cost of investment, reduce the burden on public finances, yet optimizing the benefits for Guinea and take into consideration regional engagements already made	85	85			WB/BNWPP	ONGOING: Studies in progress, draft report submitted.	Gov't of Guinea to adopt outcome of study.
16	OMVS Gouina Hydro Power Project	Environmental, Bidding Docs	To augment hydropower capacity of OMVS power system.	500	500			WB/IDA	ONGOING: Studies in progress, target completion June 2009	OMVS to update Donor Coordination Meeting on progress of the project
17	Souapiti Hydropower - 515 MW, 2,400 GWh	Feasibility Update + Environmental+ Bidding Docs	Provide hydropower to Guinea, Senegal and the other OMVG countries.	5000			5000	WB	PROCESSING FOR FUNDING: TORs for studies have been prepared and Request submitted to WB.	SENELEC and EDG to update WAPP on progress of project
<b>SUBTOTAL</b>				<b>12,931</b>	<b>5,931</b>	<b>0</b>	<b>7,000</b>			

E: WAPP Strategic Generation Sub-program										
18	Tema 330 MW CCGT (Ghana)	Feasibility	To increase generation reserve capacity in Ghana to support WAPP Zone 'A'.	400			400	VRA	ONGOING: VRA currently implementing study to bring project to bankable stage.	VRA to update WAPP on progress of project
19	Emergency Power Supply Security Plan	Strategic	To develop an urgent plan for emergency power supply to WAPP Members and ECOWAS Member States to curtail power outages	170			170	SUDA	COMPLETED: Outcome of Fast Track Study was examined by meeting of WAPP Strategic Planning and Environment Committee and recommended for submission to Executive Board. SUDA and KEPCO have submitted proposals in line with the outcome of the study	Authority of ECOWAS Heads of State and Government enacted in January 2008, implementation of WAPP EPSSP.
<b>SUBTOTAL</b>				<b>570</b>	<b>0</b>	<b>0</b>	<b>570</b>			

F: WAPP CLSG (Cote d'Ivoire-Liberia-Sierra Leone-Guinea) Re-Development Sub-program										
20	Cote d'Ivoire - Liberia - S.Leone - Guinea WAPP Interconnection	Feasibility, ESIA	Determine feasibility of Cote d'Ivoire - Liberia - S.Leone - Guinea Interconnection.	4,100	4,100			EU-Africa Trust Fund/EIB, KfW	ONGOING: Consultants recruited in September 2008 to implement pre-investment studies and mobilisation in progress. Expected completion, September 2009.	WAPP to manage implementation of pre-investment studies.
		Institutional	Establishment of Special Purpose Company	185	185			PPIAF, ESMAP	ONGOING: WAPP Joint Implementation Committee already established. Recruitment of consultants in progress to implement Technical	WAPP to follow with WB on consultant recruitment process
21	Masterplan Study for LSG System - Load Centres Upgrade	Indicative Planning Study	Indicative national Master plans for utilisation of power from WAPP system.	?			?	EU, WB/IDA, AIDB, IDB	IN PROGRESS: EU indicated interest to support Liberia. WB are providing credits to S.Leone under the Power and Water Project, AIDB is providing assistance. IDB have indicated firm interest to participate in the improvement of Guinea network.	LEC to update WAPP on pledge by EU to Liberia; NPA to update WAPP on WB credits to Sierra Leone; EDG to update WAPP on AIDB and IDB assistance
22	Refurbishment and rehabilitation of Mount Coffee / St. Paul Hydro Plant	Engineering, ESIA	Reconstruction of hydropower and transmission facilities to restore power supply to Monrovia.	2,000	400		1,600	USTDA, IFC	ONGOING: Study completed in December 2008.	LEC to update WAPP on next steps
23	Bumbuna / Yben Reservoir expansion	Engineering, ESIA	To augment power generation capacity in Sierra Leone	1,000			1,000	WB-ESMAP	ONGOING: Project Concept Documents already developed by Taskforce. TOR for study being developed.	WAPP and NPA to develop TOR
<b>SUBTOTAL</b>				<b>7,285</b>	<b>4,685</b>	<b>1,000</b>	<b>1,600</b>			

<b>GRAND TOTAL</b>				<b>36,083</b>	<b>19,138</b>	<b>1,000</b>	<b>15,945</b>			
--------------------	--	--	--	---------------	---------------	--------------	---------------	--	--	--



**Revised WAPP Generation and Transmission Master Plan**  
**WAPP Priority Projects**  
**TABLE 2: Project Implementation (US\$ millions)**

No.	Project	Objective	In service year	Project Cost	Funds Secured	Financing Under Negotiation	Financing Gap	Funding Sources	Project Status	Followup Actions Required
<b>A: WAPP Coastal Transmission Backbone Sub-program</b>										
1	330 kV Sakété - Ikeja West Line (Nigeria-Benin Interconnection)	To interconnect Nigeria and Niger with rest of WAPP Zone-A	Q1, 2007	COMPLETED	COMPLETED			BOAD, AfDB, EBID	COMPLETED: Project commissioned	WAPP to monitor technical performance and power exchanges on WAPP CTB, and produce periodic reports of
2	330 kV Aboadze - Volta Transmission Line	To provide adequate capacity for unconstrained power trade among Nigeria, Benin, Togo, Ghana, Cote d'Ivoire	Q3, 2010	38	38			Kuwait Fund, EIB, WB/IDA	ONGOING: Erection of transmission line towers commenced in July 2008. Works on transmission line about 70% complete. Contract for 330 kV substations is effective and contractor has started work. Evaluation of Bids of Updated 1st stage bidding in progress.	VRA to manage accelerated execution of project and improve financial outlook of the company
3	330 kV Volta - Momé-Hagou - Sakété (Ghana-Togo-Benin Interconnection)	To provide adequate capacity for unconstrained power trade among Nigeria, Benin, Togo, Ghana, Cote d'Ivoire.	Q3, 2011	105	85	20		WB, AfDB, BOAD, EBID, VRA, CEB	ONGOING: WB loan for financing of VRA and CEB secured under APL-1 (tranche 2); AfDB loan for financing approved and Loan Agreement signed by Govt. of Benin in June 2008; BOAD loan secured and EBID loan under negotiation. KfW conducted pre-appraisal mission in November 2008. Draft Bidding docs under preparation. In Feb. 2009, Gov't of Togo request change of substation location from Mome Hagou to Lome "C". KfW agreed in principle to fund on grant basis, the substation at the new location as well the transmission line in Togo	WAPP to follow up with CEB and KfW on finalising financing agreement.
4	National Control Centres (CEB, CIE, VRA, PHCN)	Modernize SCADA, Communication and Telemetry Systems, especially EMS to minimise blackouts and improve efficiency for system operation.	VRA (Q3, 2010) CEB (Q1, 2011)	40	20		18	WB/IDA	ONGOING: VRA and CEB have received funding under APL 1;	PHCN and SOPIE to update WAPP on status of regional control centres
<b>SUBTOTAL</b>				<b>183</b>	<b>143</b>	<b>20</b>	<b>18</b>			
<b>B: WAPP Inter-zonal Transmission Hub Sub-program</b>										
5	225 kV Bobo - Ouagadougou Transmission Line (Burkina Faso)	To extend power supply from Cote d'Ivoire to Ouagadougou	Q4, 2009	130	130		0	AFD, WB/IDA, EIB, Nordic fund, DANIDA.	ONGOING: Recruitment of Contractors for different packages completed, works on transmission line commenced.	SONABEL to manage execution of project and update WAPP on progress of implementation
6	225/150 kV Farke - Sikasso - Ségou (Mali -Cote d'Ivoire Interconnection)	To interconnect the networks of Cote d'Ivoire and Mali for the export of low cost power from Cote d'Ivoire to Mali	.....	75	75	0	0	Gov't of India	RE-LAUNCHED: Donor Consultation Meeting held in June 2007 in Abidjan to re-launch projects. Govt of Mali have secured funds from Govt of India to implement scope of project within Mali. Update pre-investment studies in progress	SOPIE and EDM-SA to update WAPP on progress of the project
7	National Control Centres (SONABEL)	Modernize SCADA, Communication and Telemetry Systems, especially EMS to minimise blackouts and improve efficiency for system operation.	2008	10			10	WB/IDA	FUNDING REQUIRED: Earmarked to be implemented under APL3	SONABEL to update WAPP on requirements for regional control centre
<b>SUBTOTAL</b>				<b>215</b>	<b>205</b>	<b>0</b>	<b>10</b>			
<b>C: WAPP Northcore Transmission Sub-program</b>										
8										
<b>SUBTOTAL</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			



D: WAPP OMVG + OMVS Power System Development Sub-program										
9	OMVS 60 MW Felou Hydro Power Projects	To augment hydro power capacity of the OMVS power system.	2013	200	125	75		WB/IDA, EIB	ONGOING: Contract signed. Fulfillment of WB and EIB Loan Agreement covenants in progress. Funding Gap of approx. €50 million outstanding; RFP for Owners Engineer being finalised.	WAPP to follow up with SOGEM to attain contract effectiveness and fulfill covenants (conditions precedent) of WB and EIB Loan Agreements and complete process to recruit Owners Engineer.
10	225 kV OMVG Loop (The Gambia, Guinea Bissau-Senegal-Guinea Interconnection) + Hydro sites at Kaleta and Sambangalou	To interconnect the national power systems of The Gambia, Guinea, Guinea Bissau, Senegal.	2014	1,325		855.6	469.4	A/IDB, WB/IDA, EIB, AFD, EBID, KfW, Abu Dhabi Fund, BOAD, IDB	ONGOING: Pre-investment studies completed. Mobilisation of financing in progress; Pledges made in equivalent US\$: A/IDB (US\$140m), WB (US\$90m), EIB (US\$78.65m), AFD (US\$42.9m), EBID (US\$30m), KfW (US\$35.75m), Abu Dhabi (US\$20m), BOAD (US\$27.25m), IDB (US\$208m)  China Development Bank have indicated firm interest to participate in the funding for the project. OMVG has submitted Request For Funding to Govt of China.	WAPP-OMVG to secure pledges and close financing gap;  OMVG to update WAPP on status of funding and project implementation strategy
<b>SUBTOTAL</b>				<b>1,525</b>	<b>125</b>	<b>931</b>	<b>469</b>			
E: WAPP CLSG (Cote d'Ivoire-Liberia-Sierra Leone-Guinea) Re-Development Sub-program										
11	Bumbuna 50 MW Hydro Power Project	To provide Hydro power for Sierra Leone	2009	88	88			WB, ADB, OPEC Fund	ONGOING: Project under construction and may be completed mid 2009	NPA to update WAPP on progress of project
12	Buyo	To increase Hydro power in cote d'Ivoire							FUNDING REQUIRED: 1st phase Rehabilitation completed, research for funding in progress to implement 2nd phase	SOPIE to update WAPP on progress of project
<b>SUBTOTAL</b>				<b>88</b>	<b>88</b>	<b>0</b>	<b>0</b>			
F: WAPP Strategic Generation Sub-program										
13	Emergency Power Supply Security Plan									
	Aboadze, 400 MW	To curtail power outages in the medium term and re-inforce power supply security in WAPP	2011	800			800		ONGOING: ECOWAS Heads of State and Government have enacted Supplementary Act to implement project through PPP. Acquisition of land at Aboadze in progress with Gov't of Ghana, consultation meeting held in March 2008 with Minister of Energy of Ghana. SUDA and CenPOWER have each submitted to WAPP preliminary proposals in line with the outcome of the EPSSP Study. WAPP and SUDA held meeting in March 2009 to among others, firm up implementation schedule for pre-investment studies	WAPP to follow up with Min. of Energy in Ghana on land acquisition. WAPP to follow up with SUDA on implementation of pre-investment studies.
	Maria Gleta, 450 MW	To curtail power outages in the medium term and re-inforce power supply security in WAPP	2011	800		20	800	EBID	ONGOING: ECOWAS Heads of State and Government have enacted Supplementary Act to implement project through PPP. Land has been acquired at Maria Gleta from Gov't of Benin. Strategic Partnership MOU signed with KEPCO in Feb. 2008. KEPCO to finalise Feasibility Study report. Draft ESIA reports are being reviewed for submission to agency in charge of environmental protection in Benin for approval. WAPP and Korean consortium held meeting in February 2009 to discuss issues relating to the Joint Development Agreement and to firm up schedule for implementation of project.	WAPP to secure Environmental Permit from Benin. WAPP to follow up with Korean consortium on preparation of Joint Development Agreement
	OMVS, 150 MW	To curtail power outages in the medium term and re-inforce power supply security in WAPP	2011	380			380		ONGOING: ECOWAS Heads of State and Government have enacted Supplementary Act to implement project through PPP. Consultations ongoing with Gov'ts of Senegal and Mali for acquisition of land at appropriate location.	WAPP to follow up with OMVS Ministers in charge of Energy to secure land.
14	147 MW Adjarala Hydropower Project	To augment the hydropower capacity of Togo and Benin	2013	321			321		FUNDING REQUIRED: Pre-investment studies have been completed	WAPP General Assembly to adopt project as WAPP Priority Project
<b>SUBTOTAL</b>				<b>2,301</b>	<b>0</b>	<b>20</b>	<b>2,301</b>			



G: MV Cross-border Projects										
15	VRA - CEB, VRA - SONABEL, SOPIE - LEC MV Cross Border Projects	To increase access to energy to border communities in Ghana, Togo, Burkina Faso, Cote d'Ivoire and Liberia	2010	19.810	19.810			EU,VRA,CEB, SONABEL,SOPIE, LEC	<p>ONGOING: Implementation of project in progress. Consultants recruited in July 2008 to implement pre-investment studies and prepare bidding documents for execution of works.</p> <p><i>Ghana - Togo</i> : Pre-investments studies completed and evaluation of bids for implementation of works completed. Contract for implementation of works in Ghana to be signed by April 17th, 2009. Works in Togo to be re-launched because bids received exceeded available budget</p> <p><i>Ghana - Burkina Faso</i> : Pre-investments studies completed and evaluation of bids for implementation of works completed. Contract for implementation of works in Burkina to be signed by April 17th, 2009. Works in Ghana to be re-launched because bids received exceeded available budget</p> <p><i>Cote d'Ivoire - Liberia</i> : Pre-investments studies in progress.</p>	<p>WAPP to sign contract for Ghana side by April 17th, 2009. WAPP to discuss with EU modalities for re-launching Togo side.</p> <p>WAPP to sign contract for Burkina side by April 17th, 2009. WAPP to discuss with EU modalities for re-launching Ghana side.</p> <p>WAPP to complete pre-investment studies by mid May 2009</p>
16	The Gambia-Senegal, Guinea Bissau-Senegal MV Cross Border Projects	To increase access to energy to border communities in Senegal, The Gambia, Guinea Bissau		6,860			6,860		<p>FUNDING REQUIRED: IsDB has indicated firm interest to fund project. Request for Funding was submitted to the IsDB by WAPP</p>	<p>WAPP to follow up on Request For Funding to IsDB</p>
<b>SUBTOTAL</b>				<b>6,880</b>	<b>19,810</b>	<b>0</b>	<b>6,860</b>			
<b>TOTAL</b>				<b>11,192</b>	<b>581</b>	<b>971</b>	<b>9,658</b>			



**Revised WAPP Generation and Transmission Master Plan**  
**WAPP Priority Projects**  
**TABLE 3: Capacity Building (US\$ millions)**

No.	Project	Objective	Cost	Funds Committed	Funding under Negotiation	Financing Gap	Funding Sources	Project Status	Followup Actions Required
<b>A: WAPP Capacity Building for ICC</b>									
1	WAPP Organization & Information and Coordination Centre	To transform ECOWAS Energy Observatory into the Information and Coordination Centre	10	2.5		7.5		ONGOING: Funding secured from KOICA for KEPCO to implement detailed study on ICC. "Record of Discussions" signed with KOICA in December 2007. Implementation of project in progress.	WAPP to manage KEPCO on implementation of studies
2	M & E	To develop capacity for coordination and information sharing/exchange for WAPP operations	1	0.63		0.37	WB/IDF	ONGOING: Grant secured from WB-IDF to support development of M&E and MIS systems. Grant Agreement signed in September 2008	WAPP to commence recruitment of consultant process
3	WAPP Connectivity	To leverage excess fiber communications capacity on the high-voltage cross-border power transmission infrastructure of West African Power Pool (WAPP) in order to address regional communications infrastructure gaps and create an integrated regional communications market	0.85	0.85		0	PPIAF, ESMAP	ONGOING: Recruitment of Consultant in progress.	WAPP and WorldBank to complete process to recruit Consultant
4	OSMP	Support to implement OSMP	2	0.25		1.75	WB/IDA	ONGOING: Draft manual developed by Taskforce with inkind support from USAID; CEB and VRA have already secured funding from WB to set up advisory panels to assist in implementing OSMP. Recruitment of Advisory Panel under APLI in progress. Gap analysis in progress	WAPP to complete Gap Analysis in conjunction with concerned utilities and submit related investment requirements to Donors
5	Training	To develop capacity building programs for WAPP Members, making use of existing facilities at VRA and other utilities	4.5	3.5		1	WB/IDA	FUNDING REQUIRED: VRA has already secured funding from WB to upgrade the Akuse Training Facility. Nexant TA is developing a Capacity Building Program Initiative (CBPI) for WAPP that will feature the capacity building needs of WAPP	WAPP and VRA to assess requirements to upgrade Akuse and agree on training needs. Nexant TA to complete CBPI document.
<b>SUBTOTAL</b>			<b>18.4</b>	<b>7.7</b>	<b>0.0</b>	<b>10.6</b>			
<b>B: WAPP Capacity Building for the PIPES</b>									
6	Environmental Safeguards,	To improve capacity in environmental impact analysis and resettlement plan procedures	1.5			1.5	ADB-NEPAD IPPF and others	FUNDING REQUIRED: TOR already developed	WAPP to submit formal Request to AfDB
7	Planning, Project Management, Environmental Management	To improve capacity in the management of projects and environment	1.8	1.8			EU	ONGOING: Institutional support TA for Environmental Management now finished. Resident 3-yr TA from EU already mobilised at WAPP Secretariat.	Implement EU-WAPP workplan
<b>SUBTOTAL</b>			<b>3.3</b>	<b>1.8</b>	<b>0</b>	<b>1.5</b>			
<b>C: Technical Assistance</b>									
8	Startup of WAPP Secretariat	To support WAPP Secretariat during startup phase	7.0	7.0			USAID	ONGOING: 3-5 yr resident Technical Assistance provided by NEXANT Inc. since November 2005	Implement USAID-WAPP Workplan until 2010.
<b>SUBTOTAL</b>			<b>7</b>	<b>7.0</b>	<b>0</b>	<b>0.0</b>			
<b>GRAND TOTAL</b>			<b>28.7</b>	<b>16.5</b>	<b>0.0</b>	<b>12.1</b>			



## 15EME REUNION DE COORDINATION DES BAILLEURS DE FONDS DE L'EEEOA / WAPP 15TH DONORS' COORDINATION MEETING

COTONOU, 21 AVRIL 2009 / 21 APRIL 2009

### LISTE DES PARTICIPANTS/LIST OF PARTICIPANTS

N°	Nom et Prénoms/ Name	Title/ Titre	Pays Organisation/ Société/ Utility	Adresse Postale Mailing Address	Téléphone Mobile Fax	Email
1.	Eve WALTER	Senior Loan officer	European Investment Bank	100, BLD Konrad Adenauer, L – 2950 Luxembourg	Tel: +352 43 79 84870 Mob: Fax : +352 43 79 64897	<a href="mailto:walter@eib.org">walter@eib.org</a>
2.	Tjaarda P. S. VAN LEEUWEN	Advisor	The World Bank	1818 H Street NW, Washington DC 20433	Tel: Mob: Fax :	
3.	Franklin GBEDEY	Energy specialist			Tel: Mob: Fax :	
4.	Ourèye SAKHO-EKLO	Directrice Adjointe chargée de la Sous- Direction des Entreprises	BOAD	68, Av. de la Libération Bp 1172 Lomé	Tel: +228 221 59 06 Mob: + 228 941 02 00 Fax : + 228-223 26 05	<a href="mailto:osakhoeklo@boad.org">osakhoeklo@boad.org</a>
5.	Armel Didyme VIDO	Programme Officer	Japan International Cooperation Agency (JICA)		Tel: +229 21 30 99 07 / 08 Mob: Fax : +229 21 30 99 06	<a href="mailto:Vido17@yahoo.fr">Vido17@yahoo.fr</a>
6.	Ina JOACHIM	Director	KfW Cotonou	BP 504 Cotonou, Parcelle H	Tel: 229 21 31 01 67 Mob: Fax : 229 21 30 13 65	
7.	Adama DEEN	Transport Advisor	NEPAD	P.O. Box 1234 Halfway House, Midrand 1685 South Africa	Tel: 011 256 3651 Mob: +27 73 607 0810 Fax :	<a href="mailto:adama@nepad.org">adama@nepad.org</a>
8.	Saloum Cissé	Directeur Général	Société de Gestion de l'Energie de Manantali (SOGEM)	ACI – 2000 BP E4015 Bamako	Tel: +223 20 29 04 22 Mob: +223 20 23 83 50 Fax : +223 7 640 52 92	<a href="mailto:saloum.cisse@sogem-omvs.org">saloum.cisse@sogem-omvs.org</a>



9.	<b>Mouhamed Salem Ould Mergouz</b>	Haut-Commissaire	Haut Commissariat de OMVS	46.rue Carnot Dakar 3152 Sénégal	+221 33 823 45 30	<a href="mailto:omvssphc@omvs.org">omvssphc@omvs.org</a>
----	------------------------------------	------------------	---------------------------	--	-------------------	--

N°	Nom et Prénoms/ Name	Title/ Titre	Pays Organisation/ Société/ Utility	Adresse Postale Mailing Address	Téléphone Mobile Fax	Email
10.	<b>Eng. (Dr.) Joseph MAKOJU</b>	Chairman	PHCN	Union Marble House I Alfred Rewane Road, Falomo Ikoyi P.M.B. 40032 Falomo, Ikoyi, Lagos – Nigeria	Tel: + 234 126 95108-10 Mob: +234 8053143108 Fax : + 234 126 95316	<a href="mailto:joe-makoju@dangote-cement.com">joe-makoju@dangote-cement.com</a>
11.	<b>Lamoussa Salif KABORE</b>	Vice-Chairman	SONABEL	01 BP 54 Ouagadougou 01 Burkina Faso	Tel : +226 50 31 54 00 Mob : +226 70 20 07 77 Fax : +226 50 31 03 40	<a href="mailto:Salif.kabore@sonabel.bf">Salif.kabore@sonabel.bf</a>
12.	<b>Jude Osafo ADU-AMANKWAH</b>	Managing Director	ECG	Electro Volta House P.O. Box 521 Accra Ghana	Tel: +233-21 67 67 62 Mob: + 233-24 4327 518 Fax : + 233-21-67 67 61:	<a href="mailto:joaduaman@yahoo.com">joaduaman@yahoo.com</a>
13.	<b>Ing. Owura SARFO</b>	Chief Executive	VRA	Electro Volta House P.O. BOX MB 77 Accra Accra GHANA	Tel: +233-21 666 037 Mob: + 233-24 4329631 Fax : + 233-21 664 705	<a href="mailto:chiefx@vra.com">chiefx@vra.com</a>
14.	<b>Bile Tarcicius Gerard TANOE</b>	Directeur du Patrimoine	SOGEPE	01 BP 1345 Abidjan 01	Tel: +225 20 20 62 01 / 20 20 62 64 Mob: +225 07 07 22 75 Fax : +225 20 20 62 75	<a href="mailto:tbile@sogepe.ci">tbile@sogepe.ci</a> <a href="mailto:gtanoe@hotmail.com">gtanoe@hotmail.com</a>
15.	<b>Diouf ASSANE</b>	Directeur des Etudes Générales	SENELEC	BP 93 Dakar	Tel: +221 33 839 31 73 Mob: +221 776388712 Fax : 221 33 823 12 67	<a href="mailto:adiouf@senelec.sn">adiouf@senelec.sn</a>
16.	<b>Raphael Nazaire DOSSOU</b>	Directeur Général	SBEE	01 BP 123 Cotonou,	Tel: +229 21 31 21 45 Mob: Fax : +229 21 31 50 28	<a href="mailto:sbeedg@yahoo.fr">sbeedg@yahoo.fr</a> <a href="mailto:tipoutib@hotmail.com">tipoutib@hotmail.com</a>



N°	Nom et Prénoms/ Name	Title/ Titre	Pays Organisation/ Société/ Utility	Adresse Postale Mailing Address	Téléphone Mobile Fax	Email
<b>EEOA / WAPP</b>						
17.	<b>Amadou DIALLO</b>	Secretary General	WAPP	06 BP 2907 PK6 Tokplégbé, Zone des Ambassades	+229 21 37 41 95	<a href="mailto:adiallo@ecowapp.org">adiallo@ecowapp.org</a>
18.	<b>Babatunde ADEYEMO</b>	Director / ICC	WAPP	"	"	<a href="mailto:badeyemo@ecowapp.org">badeyemo@ecowapp.org</a>
19.	<b>Cyr KOUAGOU</b>	Director / PIPES	WAPP	"	"	<a href="mailto:kouagouc@ecowapp.org">kouagouc@ecowapp.org</a>
20.	<b>Baba JARJUSEY</b>	Head/Admin. & Finance	WAPP	"	"	<a href="mailto:babajarjusey@ecowapp.org">babajarjusey@ecowapp.org</a>
21.	<b>Ebenezer KORAMOA</b>	Project Coordinator	WAPP	"	"	<a href="mailto:ekoramo@ecowapp.org">ekoramo@ecowapp.org</a>
22.	<b>Momodou A. K. NJIE</b>	Technical Assistant	Nexant-WAPP	"	"	<a href="mailto:maknje@ecowapp.org">maknje@ecowapp.org</a>
23.	<b>CISSE MUSTAPHA</b>	Coordonnateur de Projet MT	WAPP	"	Cell : +229 97 82 59 88	<a href="mailto:cisse@ecowapp.org">cisse@ecowapp.org</a>
24.	<b>Mamadou SYLLA</b>	Head of Admin.	WAPP	"	"	<a href="mailto:massylla@ecowapp.org">massylla@ecowapp.org</a>
25.	<b>Marie Solange AYE</b>	Personal Assistant	WAPP	"	"	<a href="mailto:marie@ecowapp.org">marie@ecowapp.org</a>
26.	<b>Happy TOSSOU DJABA</b>	Bilingual Secretary	WAPP	"	"	<a href="mailto:htossou@ecowapp.org">htossou@ecowapp.org</a>
27.	<b>Nassifoudou GARBA</b>	Chargé de Courrier	WAPP	"	"	<a href="mailto:g_nassifoudou@yahoo.fr">g_nassifoudou@yahoo.fr</a>
28.	<b>Femi FAJEMIROKUN</b>	Spécialiste du Système Informatique	Nexant -WAPP	"	"	<a href="mailto:femi@ecowapp.org">femi@ecowapp.org</a>
29.	<b>Thierno Ibrahima DIALLO</b>	Assistant Informatique	WAPP	"	"	<a href="mailto:henrythierno14@yahoo.fr">henrythierno14@yahoo.fr</a>
30.	<b>Anselme N'TANGOU</b>	Chargé du Protocole	WAPP	"	"	<a href="mailto:antangou@ecowapp.org">antangou@ecowapp.org</a>
31.	<b>Abdouramane ASSOUMA</b>	Assistant Administratif	WAPP	"	"	<a href="mailto:aabdouramane@ecowapp.org">aabdouramane@ecowapp.org</a>
32.	<b>Moustapha LO</b>	Expert en Planification et Gestion de Projet	Application Européenne de Technologie et de Services (AETS)	06 BP 2907 PK6 Tokplégbé, Zone des Ambassades	Tel: +229 21 37 71 44 Cell : +229 93 44 50 60 Fax: +229 21 37 41 96	<a href="mailto:moustaphalo@orange.sn">moustaphalo@orange.sn</a> <a href="mailto:at.wapp@aets-europe.fr">at.wapp@aets-europe.fr</a>

