
MEMORANDUM OF UNDERSTANDING

BETWEEN

**INTERNATIONAL BANK FOR RECONSTRUCTION AND
DEVELOPMENT**

AND

INTERNATIONAL DEVELOPMENT ASSOCIATION

AND

**INTERNATIONAL COUNCIL ON LARGE ELECTRIC SYSTEMS
(CIGRE)**

JULY 6, 2018

This Memorandum of Understanding (“Memorandum”) represents a statement of intent by the International Bank for Reconstruction and Development (“IBRD”) and the International Development Association (“IDA”) (collectively, the “World Bank” or the “Bank”) and the International Council on Large Electric Systems (“CIGRE”) (each a “Party” and together, the “Parties”) to collaborate in the achievement of common objectives as described and on the basis outlined below.

WHEREAS:

- (A) The World Bank is an international development institution established by Articles of Agreement adopted by its member countries. The World Bank’s overarching mission is to reduce poverty, improve living conditions, and promote sustainable and comprehensive development in its developing member countries. It has established two ambitious goals to anchor its mission: end extreme poverty within a generation and boost shared prosperity. The World Bank will achieve these goals by providing loans, concessional financing, technical assistance, and knowledge sharing services to its developing member countries and through partnerships with other organizations.
- (B) CIGRE is a non-governmental entity engaged in fostering knowledge sharing among power system professionals globally to enable the sustainable provision of electricity for all. CIGRE consists of over 14,000 members from 90 countries and represented by over 50 national committees. Over 3,000 technical experts, comprising 240 working groups dealing with common issues in power delivery. CIGRE deals with “end to end” technologies relating to the electric power delivery industry. CIGRE is an international body for knowledge and expertise in the field of electrical power systems, The work of CIGRE study committees feeds into other technical work, such as of the development of International Standards.
- (C) Both Parties acknowledge the importance and contribution of applied research and state of the art techniques and practices for cost-effective and sustainable electrical infrastructure development, and interoperability of regional and continental power systems;
- (D) Both Parties recognise the need to promote collaboration among African researchers, utility engineers, government officials, regulators and electricity customers as well as dissemination of worldwide state of the art practices to Africa in order to facilitate cost effective and efficient pan-African electricity infrastructure, systems and usage;
- (E) Both Parties desire to promote mutual interest through collaboration and cooperation in institutional development and capacity building especially for planning, operations, asset management of power systems including engineering of equipment and systems as well as the integration of renewable and distributed generation and of energy efficiency, on the basis of equality and mutual benefit;

- (F) Both Parties are mindful of the continental challenges facing the African electricity industry and underscoring the Parties' commitment to build upon consultative and cooperative processes, as well as joint efforts in various areas such as applied research, institutional development, sound investment planning and coordination, technical state-of-the art recommendations; and
- (G) Both Parties are being guided by the feedback from African utilities and other stakeholders in Africa.

NOW THEREFORE the Parties intend as follows:

A. Objective

Consistent with their respective mandates, the Parties desire to collaborate in carrying out activities conducive to improving the dissemination and application of state-of-the-art techniques to power system development in sub-Saharan Africa.

More specifically, this MOU has been prepared with the following objectives:

- (a) To encourage communication and joint activities between the two organizations and also with universities/centers of excellence through exchange of information, knowledge and documentation;
- (b) To disseminate among African national entities, African regional institutions, African Electricity Associations and Power Pools, and help them implement/adopt, internationally recognized best practices in electrical power systems planning, operation, maintenance and asset management, distributed generation and energy efficiency, including in the area of environment as relevant to power systems at the national, regional and continental levels;
- (c) To boost African regional CIGRE councils; an African institutional and individual membership drive, and an African young engineer program, so as to build the necessary technical expertise and human capacity to help develop technologically relevant, technically robust/resilient, economically, environmentally and socially sound power systems that would help meet the electricity needs of people and economies;
- (d) To promote mutual understanding of the roles, strengths and contributions of each organization and develop/enhance synergies between their technical activities as relevant to the Bank client countries, especially in Africa;
- (e) To fulfil the actions, aims and goals, as defined in the document, incl. e.g. to promote a systematic dissemination effort to Africa, by cooperating to add resources, organizational structures, local expertise and contacts, and credibility with non-technical institutions;
- (f) To undertake capacity development and training on emerging technologies and technical standards, including but not limited to, undertaking joint activities in capacity building and training in the field of research, planning & operation and standardisation;
- (g) To enhance coordination among countries and avoid duplication of activities;

- (h) To cooperate in increasing the level of African expertise in applied science relating to electric power delivery and electrotechnical technology; and
- (i) To jointly explore opportunities in Africa to optimize the design and the potential to maximize the impact of World Bank Education Global Practice Programs for tertiary education in energy/power systems.

B. Collaboration

- (a) To further the achievement of their common objectives, the Parties intend to collaborate in the following manner:
 - (i) share knowledge, ideas and lessons learned;
 - (ii) plan joint activities in areas of common interest;
 - (iii) pool efforts and expertise;
 - (iv) utilize and leverage their existing resources and facilities to mutual advantage and benefit;
 - (v) collaborate on the promotion, preparation and organization of workshops, conferences and training seminars;
 - (vi) collaborate on the organization and execution of research;
 - (vii) jointly engage in a dialogue with stakeholders and others interested in activities being pursued under this Memorandum;
 - (viii) collaborate on ways to join with other entities engaged in activities similar, supplemental or related to those being pursued under this Memorandum;
 - (ix) collaborate on the dissemination of the lessons learned and results through publications, seminars, workshops, conferences and other easily accessible means; and
 - (x) periodically evaluate the effectiveness of working in collaboration with each other, with reference to their respective organizational mandates and priorities.
- (b) Each Party may contribute to the activities undertaken pursuant to this Memorandum, in one or more of the following ways by:
 - (i) mobilizing its own staff in pursuit of the objectives of this Memorandum
 - (ii) providing facilities for joint workshops, conferences, or training seminars;
 - (iii) engaging and funding consultants; and
 - (iv) such other ways as the Parties may determine.
- (c) The proposed activities are detailed in the Work Plan, which is attached as Annex 1 to this MOU, and which may be amended from time to time, by mutual agreement from both Parties.

C. Contacts

Each Party hereby designates and appoints below its representative with overall responsibility for implementing this Memorandum. The Parties may, by written notice to the other Party, designate additional or different persons as points of contact but the Parties expect to have only one person at a time designated as the person with overall responsibility for all activities undertaken pursuant to this Memorandum.

For the World Bank:

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For CIGRE:

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D. General

1. This Memorandum does not constitute an agreement or commitment by either Party to enter into or provide support for any specific activity or project. Specific arrangements for individual activities will be set forth in a written document or work plans to be jointly formulated by the Parties.
2. Nothing in this Memorandum is intended to be, or should be construed as a waiver of the privileges and immunities of the World Bank or its officers and employees, which privileges and immunities are hereby specifically reserved.
3. The Parties expect that this Memorandum and information with respect to the collaborative activities contemplated herein will be publicly disclosed by the World Bank. Such disclosure will be made in accordance with the Parties' respective disclosure policies. The Parties plan to consult with each other concerning the manner and form of any acknowledgement of the other Party's support regarding the activities.

4. Any sharing of information between the Participants will be subject to their respective policies and procedures relating to the disclosure of information. Confidential information of the one Participant shall be handled by the other Participant with no lesser standard of care than it would use in handling its own confidential information.
5. This Memorandum may be modified or discontinued at any time by mutual written determination of the Participants. Further, either Participant may discontinue this Memorandum, at its sole discretion, and should endeavor to provide 60 days' prior notice in writing to the other Participant. Both Parties anticipate that this agreement is initially foreseen to be in force for at least 4 (four) years, with a possibility for a mutually agreed extension.

In witness whereof, the Parties have caused this Memorandum to be executed as of the day and date written above.

**INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT
AND INTERNATIONAL DEVELOPMENT
ASSOCIATION**



Name: Mr. Riccardo Puliti

Title: Senior Director and Global Head
Energy and Extractives Practice Group

CIGRE



Name: R. STEPHEN

Title: PRESIDENT

ANNEX 1 WORK PLAN

This Work Plan outlines the actions to be taken that are described in the document entitled, “Four-year dissemination plan of CIGRE’s state of the art power system know-how for Africa in cooperation with the WORLD BANK”, dated 19 December 2017 (hereinafter referred to as the “Document”).

FIELDS OF ACTIVITY

The Parties agree as follows:

- 1) The Parties will cooperate in executing the action items required as outlined in the Document;
- 2) The action items, goals and aims of the document will be undertaken by a joint working group established within the CIGRE structure with WORLD BANK representation. The joint working group will be the regular meeting forum for the CIGRE and WORLD BANK to discuss implementation of the actions stated under the MOU and regular activity reports will be shared with each organization.
- 3) Either Party may, at the request of the other Party, forward capacity building programs to facilitate the awareness in Africa of emerging technologies, technology development and implementation of standards directly or indirectly relevant to the African electricity industry;

INFORMATION EXCHANGE

CIGRE and WORLD BANK agree to regularly exchange information on matters that will assist in the aims and goals of the document being realised through:

- 1) The exchange of institutional documents in accordance with Section 4.D of the MOU between the World Bank and CIGRE. This exchange can include the emailing of links to relevant websites, and
- 2) Taking appropriate measures to facilitate the exchange of technical documentation and information.

CIGRE, through the MoU and in the framework of the many measures described and planned in the Document, opens to relevant African entities the following media:

- Articles in Electra

- Short articles in newsletters
- Flyer to be added in the Session delegate's bag (to be edited)
- Information on the institutional CIGRE website (in the NEWS on the home page www.cigre.org)
- at Paris and other CIGRE Conferences:
- Specific Poster sessions
- Public launch of the initiative in Paris
- Create Exhibition space for the initiative at Paris
- Specific Tutorial sessions