



RESOLUTION N°005/ERERA/15

Approval of the Regional Market Rules for the West African Power Pool


At the meeting of the Regulatory Council held on Tuesday August 18, 2015, the Regulatory Council considered the draft Regional Market Rules for the West African Power Pool as validated by the fifth ERERA's Consultative Committees meeting and resolved that:

1. The Regional Market Rules for the West African Power Pool, copy attached, is hereby approved by the Regulatory Council.
2. The Regional Market Rules for the West African Power Pool shall be published in the ERERA official Bulletin and Website.

Done in Accra, GHANA, on August 18, 2015

Mr. Alagi Basiru GAYE
Council Member

Mrs. Ifeyinwa IKEONU
Acting Chairperson



REGIONAL MARKET RULES
FOR
WEST AFRICAN POWER POOL

AUGUST 2015



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THE WEST AFRICAN POWER POOL MARKET RULES

CHAPTER I. INTRODUCTION AND OBJECTIVES

Article 1. Introduction

1. Title

The Rules set forth herein shall be called the Regional Market Rules for the West African Power Pool.

2. Authority

- a. These Rules are the Regional Market Rules authorised by the mandate of Regulation C/REG.27/12/07 as amended, on the Composition, Organisation, Functions and Operation of the ECOWAS Regional Electricity Regulatory Authority – EREERA.
- b. These Regional Market Rules govern the commercial transactions pertaining to cross border flows of electricity that utilize the transmission lines and associated assets of the interconnected system of the West African Power Pool.
- c. The first version of these Regional Market Rules is approved by the ECOWAS Regional Electricity Regulatory Authority – EREERA. Subsequent amendments shall be carried out according to the procedures set out in these Rules.

3. Application

- a. The Regional Market Rules (RMR) govern the commercial trading of all electricity that flows across international borders between participating countries through transmission lines hereafter defined in Article 4 as WAPP Interconnected Transmission System, in compliance with the standards and procedures defined in the “Operation Manual for WAPP Interconnected Power System” (known hereafter as the “Operation Manual”).
- b. These RMR shall also apply to and bind all persons who are registered with the System and Market Operator (SMO) as Participants or Applicant.
- c. The RMR shall have the effect of a contract between each Participant and the System and Market Operator by virtue of the execution by the regional Market Operator and each Participant, of a Market Participation Agreement under which the regional Market Operator and each Participant shall agree to observe and perform the requirements of these RMR.

4. Relationship with the Operation Manual and the Operating and Market Procedures:

- a. These RMR complement and supplement the Operation Manual and should be read in conjunction therewith.
- b. These RMR shall be interpreted so as to avoid, to the extent reasonably possible, findings of inconsistency between these Rules and the Operation Manual.
- c. Operating Procedures and Market Procedures complement and supplement these Rules.

Article 2. Objectives

The objectives of these Rules are to establish and govern an efficient, competitive, transparent and reliable market for the sale and purchase of wholesale electricity and Ancillary Services in the WAPP region and to ensure that the Operation Manual and the RMR work together to secure efficient co-ordination and adequate participation

Article 3. Contents

1. Further to Article 2 on Objectives, these Rules:
 - (i) provide a framework for an efficient, competitive, transparent and reliable wholesale electricity market;
 - (ii) set out the responsibilities of Participants, the System and Market Operator (SMO) and the Control Area Centres in relation to trading, co-ordination, dispatch and contract nomination, managing, metering, settlement and payments;
 - (iii) set out the operation and system for managing imbalances;
 - (iv) ensure an efficient, transparent and predictable settlement system and set out the payment obligations;
 - (v) establish a governance mechanism and a market monitoring system;
 - (vi) provide a framework for resolution of disputes amongst Participants or between Participants on one hand and the SMO on the other, on matters relating to the RMR and the Operation Manual;
 - (vii) provide an efficient and transparent process for amending the RMR and
 - (viii) promote regional integration and create the commercial environment in which public and private investments can be developed efficiently.

CHAPTER II. GENERAL CONDITIONS

Article 4. Definitions

Applicant	Any company applying for admission to the regional market as Participant
Ancillary Services	Defined as in the WAPP Operation Manual;
Ancillary Services Contract	Agreement between two System Operators in the WAPP to provide ancillary services;
Available Transfer Capability	The remaining capability of a national transmission system or cross border interconnector to transfer electrical energy between WAPPITS nodes, within safety constraints after all contracted commitments have been taken into account;
Balancing Electricity	The amount of electricity injected or withdrawn from a WAPP node at variance with the scheduled amount;
Bilateral Contracts	Agreement entered between a buyer and seller of electricity for the sale and purchase of electricity under these Market Rules including power exchange contracts. The seller agrees to inject and the buyer agrees to extract the agreed upon volume of electricity in the relevant trading interval or intervals for a price mutually agreed;
Cross Border Interconnector	A transmission line that connects the electrical system of two participating countries which is metered at the WAPP Nodes within each connected country;
Day	One calendar day;
Day Ahead Market	Mechanism through which buyers and sellers of electricity are matched anonymously with each other at a market clearing price established through matching bids and offers for the next operating day;
Day of Delivery:	The 24 hour period beginning at 00:00:00 during which contracted electricity is to be injected into and extracted from the WAPPITS;

Data Collection System	A computer based system for remotely acquiring data from Metering Equipment;
Electrically Adjacent Country	Countries which may exchange electricity without the need to enter the Transmission Network of a third country;
Electricity Supply Industry	Those organisations that are involved with any or all of the Generation, Transmission, Distribution, Import, Export, Sale or Purchase of electricity.
Electricity Transfer Profile	The electrical power measured in MW which is injected into or extracted from a WAPPITS node for a duration of 1 hour for each hour of a Day of Delivery
ERERA	ECOWAS Regional Electricity Regulatory Authority – A Specialized Institution of ECOWAS established by the Supplementary Act A/SA.2/1/08 of 18 January 2008 and charged with regulating the regional electricity market as defined by Regulation C/REG.27/12/07 on the Composition, Organisation, Functions and Operation of the ECOWAS Regional Electricity Regulatory Authority – ERERA
Final Physical Notification	Final confirmation from National System Operators to the SMO of the amount of electricity they intend to inject or withdraw from the relevant Interconnection Node for each hour of the Electricity Transfer Profile after which no adjustments may be made.
Total Transfer Capability	The total capability of a national transmission system or cross border interconnector to transfer electrical energy between WAPPITS nodes, within safety constraints but disregarding any contracted commitments.
ICC	Information and Coordination Centre of WAPP
Length of Market	Relationship between contracted and actual electricity flows in the market; markets may be long or short.
Long Market	Condition in which the volume of electricity passing through the WAPPITS is less than the sum of the contracts for the trading interval;
Long Position	Condition in which the volume of electricity injected by a National System Operator into an WAPPITS node is greater than contracted volume to be injected, or in

	which the volume of electricity extracted by a National System Operator from an WAPPITS node is less than the contracted extraction.
Market Accounts	Accounts maintained to hold records of transactions undertaken with or on behalf of Participating Enterprises in the Balancing and Day Ahead markets
Market Operator	A centralized organization responsible for the management of energy exchanges on behalf of Market Participants
Market Participant or Participant	A company of the electricity supply industries of any of the WAPP countries that has followed the procedure and has been registered by the SMO as market participant.
Market Participation Agreement	Agreement under which the SMO and each Participant shall agree to observe and perform the requirements of these Regional Market Rules
Market Procedures	The procedures needed and developed by the SMO to operate the regional market from the commercial point of view.
Operating Procedures	The procedures established to operate the interconnectors safely and maintain the flows inter and intra control area
Physical Notification	Notification from System Operators of the amount of electricity they intend to inject or withdraw from the relevant Interconnection Node for each hour of the Electricity Transfer Profile;
Regional electricity market	All cross-border electricity trading and related services made through the regional interconnected transmission networks within the ECOWAS sub-region
Regional Transmission Network	Interconnected System of the WAPP
RMR	Regional Market Rules: these rules governing the commercial trading of all electricity that flows across international borders between participating countries.
Settlement Period	The time over which all transactions are accumulated for financial settlement, set to 1 calendar month;

Short Market	Condition in which the volume of electricity passing through the WAPPITS is greater than the sum of the contracts for the trading interval;
Short Position	Condition in which the volume of electricity injected by a TSO into an WAPPITS node is less than contracted volume to be injected, or in which the volume of electricity extracted by a TSO from an WAPPITS node is greater than the contracted extraction;
Start of the Regional Market	Date specified and published by ERERA for the commencement of the Regional Market
System Operator	Organisation charged with the operation of the dispatch of electricity and operation of relevant transmission lines to ensure that the instantaneous supply of electricity matches load;
System and Market Operator or SMO	Regional Institution responsible for regional market operation functions and additionally some system operation functions in the fields of coordinating flows and allocating transmission capacity.
Trading Interval	Set to a period of one (1) hour;
Transmission System Capability Statement	Assessment by the WAPP of the capability of the WAPP Interconnected Transmission System to support the required energy flows across both National Systems and cross-border connections
Transmission Operator	An Organisation responsible for maintaining the assets of the transmission grid;
Transmission System Operator or TSO	An Organisation that combines the functions of System and Transmission Operations into a single entity;
WAPP	West African Power Pool, a specialized institution of ECOWAS established by Decision A/DEC.20/01/06 of January 12, 2006, by the Conference of Heads of State and Governments, with a responsibility to develop electricity infrastructure and establish a unified electricity market.
WAPPITS Node	The point of interchange between a cross border interconnector and the transmission system of a participant country, equipped with metering equipment

	to the specification in the Metering Code of the WAPP Operation Manual;
West Africa Power Pool Interconnected Transmission System or WAPPITS	The transmission lines that form the regional transmission network defined as so and agreed by the countries. These lines are the regional interconnectors; the regional lines owned by Special Purpose Companies and the transmission lines of the domestic systems designated as forming part of the regional transmission network
Wheeling of Electricity	The transfer of electricity which is the subject of a bilateral agreement between non-adjacent countries through a third party country or countries.

Article 5. Interpretation

1. In these Regional Market Rules, unless the contrary intention appears:

- (i) **Persons:** a reference to a person includes an individual, a firm, a corporate body, a partnership, a joint venture, an unincorporated body or association, or any government agency
- (ii) **Clauses:** a reference to a clause, chapter, section, article, annexure or schedule is a reference to a clause or chapter or section or article or annexure or schedule to the Regional Market Rules;
- (iii) **Statutes, etc:** a reference to a statute, ordinance, code or other law includes regulations and other instruments under it and consolidations, amendments, re-enactments or replacements of any of them;
- (iv) **Variations:** a reference to a document (including the Regional Market Rules) includes any variation or replacement of it;
- (v) **Appointments:** where these Regional Market Rules confer a power on a person to make an appointment to a position, the person also has the power:
 - (a) to specify the period for which any person appointed to exercise the power ("appointee") holds the position;
 - (b) to remove or suspend an appointee and to reappoint or reinstate an appointee; and
 - (c) to appoint a person to act temporarily in place of the appointee during the period of suspension or other inability where an appointee is suspended or is unable, or expected to become unable to perform the functions of the position.
- (vi) **Functions:** incorporates the meaning of function, power, duty, responsibility and authority;

- (vii) **Include or Including:** the words “include” or “including” are not used as, nor are they to be interpreted as, words of limitation, and, when introducing an example, do not limit the meaning of the words to which the example relates;
- (viii) **System Operator:** includes both Transmission System Operator in countries where a single entity undertakes the duties of both functions, and Independent System Operator where the duties of transmission and system operations are separate;

2. In these Rules, unless the context otherwise requires:
- a. a reference to a particular Part, Rule or Appendix means a part of, a rule of, appendix to these RMR;
 - b. a reference to the masculine include the feminine and references to the singular include the plural and vice versa;
 - c. a reference to law, regulation or decision shall be construed, at any particular time, as including a reference to any modification, extension, re-enactment or replacement thereof then in force;
 - d. a derivative of any term or expression defined or interpreted in these Rules shall be construed in accordance with the relevant definition or interpretation; and a reference to another agreement or any deed or other instrument shall be construed as a reference to that other agreement, deed or other instrument, as the same may have been, or may from time to time be, modified.

Article 6. Subservient documents

1. The following documents are subservient to the Regional Market Rules:
 - a. Market Procedures;
 - b. Forms required for the submission of information to the SMO (as mentioned in the Market Procedures); and
 - c. Any other document or instrument issued, made or given by the SMO under the RMR.

Article 7. Operating Procedures and Market Procedures

1. Operating Procedures

The SMO together with the Control Areas shall from time to time draft, adopt and implement, and where necessary, amend such detailed Operating Procedures as it may consider necessary for:

- (i) implementation and application of the Operation Manual;

