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## ANNEX D

**Specific “Timetable” to be used in the market as mentioned in the the submission detailing activities on each of the period specified.**

### **1.0 DISPATCH SCHEDULING/MARKET PROJECTIONS**

#### **1.1 Week Ahead**

Week Ahead Projections shall be prepared by the Market Operator and published daily to assist Trading Participants to anticipate and respond to the range of spot market conditions which might reasonably be expected to occur over the forthcoming week. Market projections shall be prepared for all trading intervals within the Week Ahead market horizon.

The Market Participants shall submit hourly bids and offers for the next seven (7) days on or before 1200H of the current day prior to the issuance of the Week Ahead market horizon. The Market Operator shall use the Market Dispatch Optimization Model on which the submitted hourly bids and offers together with the current and projected power system conditions shall serve as inputs in the preparation of the Week Ahead Market Projection.

If a Trading Participant fails to submit the appropriate bid and offer for the Week Ahead Market Projection, the Market Operator shall substitute a set of default data from the standing bid and offer.

#### **1.2 Day Ahead**

Day Ahead Projections shall be prepared using the Market Dispatch Optimization Model by the Market Operator and published daily, to assist Trading Participants to anticipate and respond to the range of spot market conditions which might be expected to occur over the forthcoming day. Market projections shall be prepared for all trading intervals within the Day Ahead market horizon.

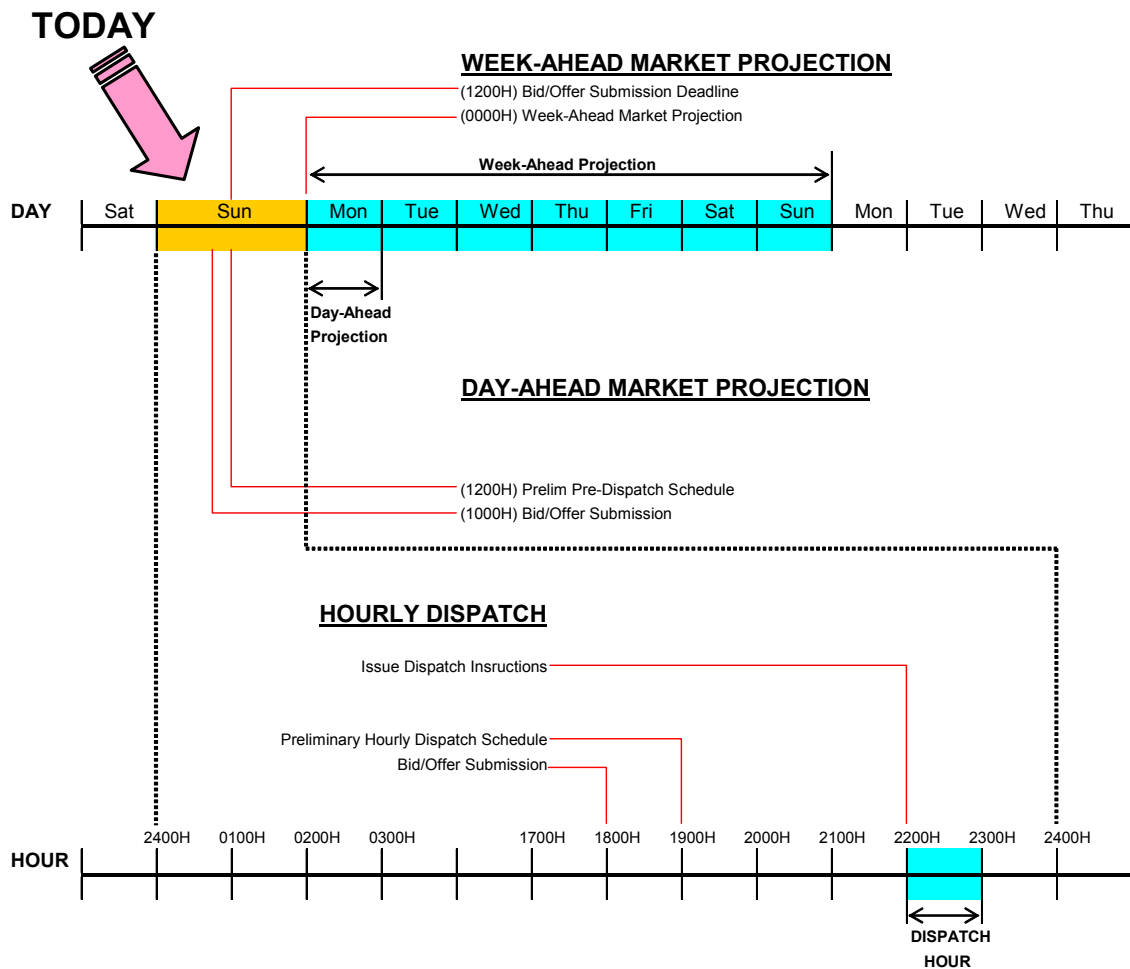
The Market Participants shall submit hourly bids and offers for the next day on or before 1000H of the current day. The Market Operator shall use the Market Dispatch Optimization Model on which the submitted hourly bids and offers together with the current and projected power system conditions shall serve as inputs in the preparation of the Day Ahead Market Projection.

If there are no submissions or revisions received, the corresponding bids and offers from the Week Ahead Market Projection shall be applied in the preparation of the Day Ahead Market Projection.

### 1.3 Real Time

The Trading Participants shall submit hourly bids and offers for the Trading Interval on or before the cut-off time to enable the Market Operator to prepare and issue an Hourly Dispatch Schedule. The cut-off time is initially set at four (4) hours before the the real-time dispatch to allow time for SO to conduct security screening. If there are no submissions or revisions received, the corresponding bids and offers from the Day Ahead Market Projection shall be applied in the preparation of the Hourly Dispatch Schedule.

Figure D-1  
**DISPATCH SCHEDULE TIMELINE**



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## **2.0 PRICE OFFERS / DEMAND BIDS**

### **2.1 Registration**

The Trading Participants shall register as WESM members before they can participate in the spot market trading. The Market Operator shall administer the registration of Trading Participants. A Trading Participant may register as a Generator, Customer, or Ancillary Service Provider. Specific information regarding the participants' facilities shall be submitted during registration.

### **2.2 Standing Offers and Bids**

Each Scheduled Generating Company including those with bilateral contracts shall submit a standing generation offer for each of its scheduled generating units for each trading interval in each trading day of the week. The generator offer shall include quantity, price, and validity period and other information specified in Appendix A1.1 of the WESM Rules.

Each Customer may submit a standing demand bid in respect of each trading interval for each of its registered scheduled load facilities for each trading day of the week. The information specified in Appendix A1.1 of the WESM Rules shall be included for each standing demand bid.

Ancillary Service Providers shall submit a standing reserve offer for each of its relevant reserve facilities for each trading interval for each day of the week.

### **2.3 Offers/Bids Adjustment**

As specified in the WESM Rules, the revision of standing offers and bids is allowed. A standing generation offer, a standing reserve offer, a standing schedule of loading levels or a standing demand bid for any trading interval in any day of the week may be revised by the relevant Generation Company or Customer in accordance with the timetable. The revised standing offers and bids shall only affect the offers employed in the Market Dispatch Optimization Model runs used to determine projections, dispatch, or pricing for periods not already covered by Week-Ahead projections which have already been published, or whose preparation has already been initiated at the time when the revised offer or bid is accepted.

Each scheduled Trading Participant which has submitted standing offers and bids may revise any of its market offers or market bids for any trading interval in any trading day of the current week-ahead market horizon in accordance with the timetable. Each generation company which has submitted a schedule of loading levels for its non-scheduled generating units shall revise its schedule of loading levels if it reasonably expects that any of its anticipated loading levels will differ materially from those previously submitted. In accordance with the timetable, a revised market offer or market bid submitted shall take effect the next time a week-ahead, day-ahead, or real-time dispatch run is initiated.

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## **3.0 SETTLEMENT**

The WESM Rules defines Business Day as any day on which the Spot Market is open for business. Figure D-2 illustrates the timeline for the preparation of the Preliminary and Final Statements and the deadline for payment based on the 25<sup>th</sup> day of the month billing cut-off.

### **3.1 Preliminary Statement**

Within seven days after the end of each billing period, the Market Operator shall issue a preliminary Statement to each Market Participant for the billing period. This statement identifies the market transactions of a WESM member in that billing period and the settlement amount payable by or to that WESM member.

### **3.2 Revisions**

The Market Participant (MP) shall be provided with an opportunity to review the preliminary statement and supporting data files and submit inquiry or formally disagree with the charges or other entries in the preliminary statement. Such inquiry or disagreement shall be submitted as soon as practicable but not later than three (3) days after the issuance of the preliminary statement. Reasonable endeavors shall be used to resolve the dispute within fifteen days after the end of the relevant billing period. The Market Operator shall ensure that any error or discrepancy discovered in the preliminary statement is corrected in the relevant final statement.

### **3.3 Final Statement**

Within eighteen (18) business days after the end of each billing period, the Market Operator shall prepare the Final Statement, which includes all items in the Preliminary Statement and all adjustments made as a result of resolution of all disagreements raised in the particular Preliminary Statement.

If an amount payable in the Final Statement has been identified as being in error and the correct amount has been determined, the Market Operator shall issue to each WESM member affected by the correction of the error a Revised Statement for the relevant billing period.

### **3.4 Payment**

Payment of settlement amounts stated in the Final Statement must be made not later than 1500H on the thirtieth (30<sup>th</sup>) business day after the end of a billing period or 1500H on the twelfth business day after receiving a final statement whichever is the later. Payment of settlement amounts stated in the Revised Statement shall be made ten (10) days after the issuance of Revised Statement.

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### **3.5 Electronic Fund Transfer**

The transfer of funds from the Market Participant's bank account to the Market Operator and vice versa for payment of settlement amount shall be thru an Electronic Fund Transfer (EFT) facility. All settlement transactions and payment of market fees shall be done through EFT service provided by the bank accredited by the Market Operator. The Market Operator shall ensure that an EFT facility is provided and made available for all Market Participants to facilitate collection and payment.

### **3.6 Prudential Requirement**

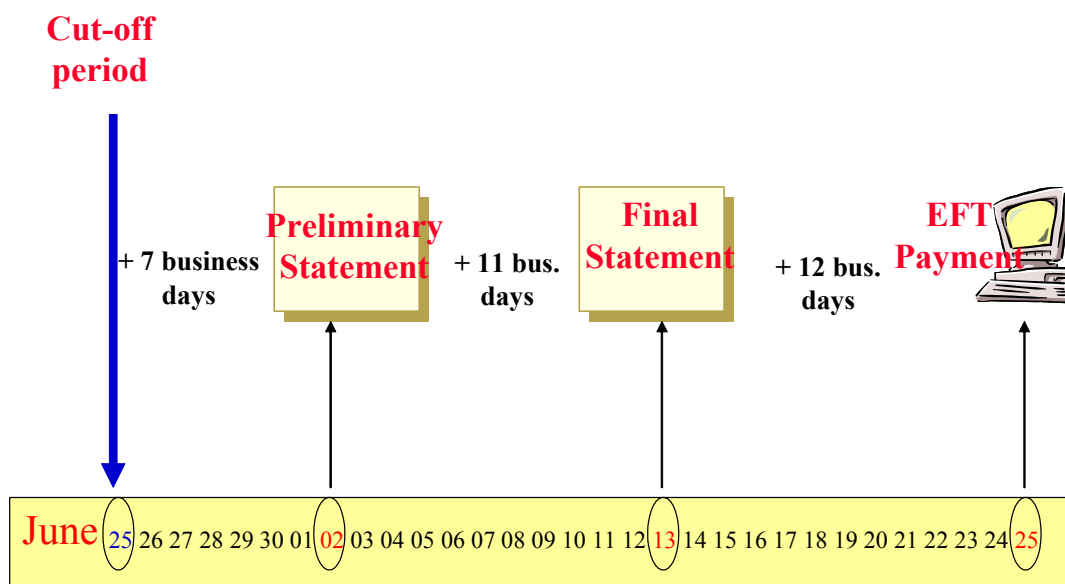
The Market Operator shall ascertain the placement of Prudential Requirement by all Market Participants to ensure the effective operation of the Spot Market and resolution of all default events by the Market Participants. Based on the expected trading transaction of each Market Participant in the spot market, the Market Operator shall set a trading limit which will be the basis for computing the Prudential Requirement. The total value of the security provided by the Market Participant to the Market Operator shall be 15% higher than its Trading Limit.

### **3.7 Disputes**

The Market Operator and the Market Participant are given twelve (12) months to resolve disputes with respect to Final Statement, either by agreement or thru Dispute Resolution Procedures set out in clause 7.3 of the WESM Rules.

Figure D-2

## Settlement Timetable



### 4.0 METERING

#### 4.1 Metering Installation Requirement

Trading Participants shall be required to have metering equipment installed at the connection points between the Network Service Provider (NSP) and their facilities. The Trading Participant shall select a registered Meter Service Provider for the provision, installation, testing, calibration, and maintenance of each metering installation. The registered metering installation shall be used by the Market Operator as the primary source of meter data for billing purposes.

#### 4.2 Meter Data Collection

Each meter installation shall continuously measure the integrated energy and demand supplied or utilized by a Trading Participant. The meter will then store the measured quantities every fifteen (15) minute interval. The stored quantities shall be collected at the metering point by the Meter Service Provider and forwarded to the Market Operator at the end of the trading day via a communication link. Upon receiving the metered data, the Market Operator shall verify the data correctness

through preliminary validation process. The data collection and preliminary validation process shall be done for every trading interval within the trading day.

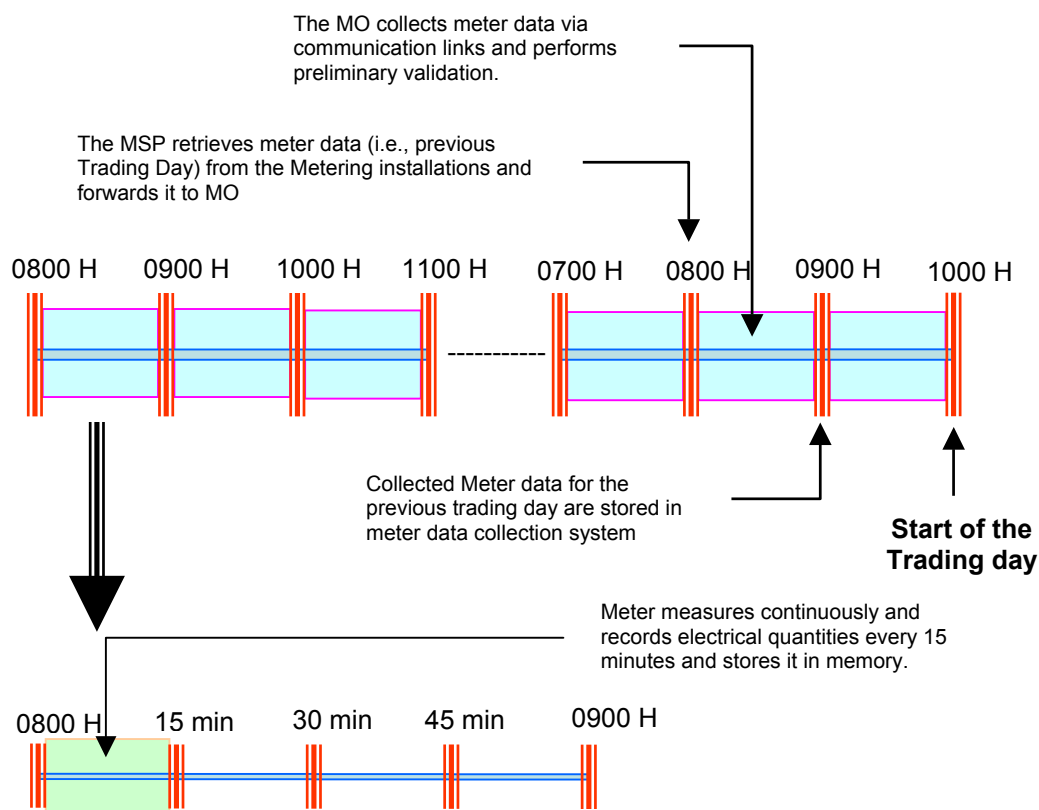
Meter data collected daily shall serve as input for the dispatch projection for the next trading day and shall ensure data correctness and early detection of possible meter installation trouble. Detection of meter data error which indicate possible meter installation malfunction shall be reported immediately. The Meter Service Provider will conduct and complete the necessary repair within two days.

### 4.3 Meter Data Storage and Archive

At the end of each Trading Day, all meter data measured and stored at the metering point shall be collected and stored in the Data Collection and Storage System of the Market Operator for later use in the preparation of billing statements.

Possible disputes in the settlement amounts pertaining to meter data may arise in the future and resolution of disputes may require review of the meter data in question. The Market Operator shall have data storage and archive facility to store the meter data in the metering database for sixteen (16) months in accessible format and maintain a ten (10) year meter data archive.

Figure D-3  
**METERING SCHEDULE TIMELINE**



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## **5.0 MARKET INFORMATION PUBLICATIONS**

The Market Operator is responsible for publishing all information required under the WESM Rules in accordance with the WESM timetable. The Market Operator shall determine the level and extent of published information each WESM Member, the Energy Regulatory Commission (ERC), the Department of Energy (DOE), and the general public can access. All Market Information required to be published by the Market Operator under the WESM Rules shall be made accessible through internet.

### **5.1 Registration Information**

The following are the pertinent information relating to the registration of WESM members that are required to be published under the WESM Rules:

- Participants Data [list of members, former members, applicants, suspended members and period of suspension]
- De-registration Notice issued to Trading Participants including period of and grounds for de-registration
- Current registry of Metering Service Providers (MSPs) and registry updates whenever an MSP becomes or ceases to be a member
- De-registration details for unethical act including process for settling accounts affected by the unethical act and penalties.

### **5.2 Operation Information**

The following are the pertinent information relating to the WESM operation required to be published under the WESM Rules:

- Market Projections (Week Ahead and Day Ahead projections)
- Previous trading day schedules and prices versus actual dispatches and prices

### **5.3 Settlement Information**

The following information shall be published not later than one week from the actual trading day for settlement purposes:

- Ex-Ante and Ex-Post Market Prices per market trading node
- Customer Zonal Prices
- Reserve Cost and Zonal Reserve Prices
- Other Ancillary Service Charges
- Line Rentals
- Details of Financial Transmission Rights (FTRs)
- Summary Report on the amount of any Net Settlement Surplus (Deficit)

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## 5.4 Regulatory Information

To meet the regulatory requirements of the WESM Rules, the following information shall be made available:

- Standards and Criteria
- Market Fees and Charges
- Systems and Procedures
- Market Dispatch Optimization Model
- Reports [operations, PEM audit, suspension notice, revocation of suspension]