



Republic of the Philippines
DEPARTMENT OF ENERGY
(Kagawaran ng Enerhiya)

DEPARTMENT CIRCULAR NO. DC2020-10-0020

**ADOPTING FURTHER AMENDMENTS TO THE WHOLESALE ELECTRICITY
SPOT MARKET (WESM) MARKET MANUAL ON DISPATCH PROTOCOL FOR
THE IMPLEMENTATION OF ENHANCEMENTS TO WESM DESIGN AND
OPERATIONS
(Provisions for the WESM Timetable)**

WHEREAS, Sections 30 and 37(f) of the Electric Power Industry Reform Act (EPIRA) provides that the DOE, jointly with the electric power industry participants, shall establish the Wholesale Electricity Spot Market (WESM) and formulate the detailed rules governing the operations thereof;

WHEREAS, on 28 June 2002, the DOE, with the endorsement of the electric power industry participants, promulgated the WESM Rules through Department Circular No. DC2002-06-003;

WHEREAS, any changes, amendments, and modifications to the WESM Rules, Retail Rules and their Market Manuals shall be undertaken in accordance with the provisions of Chapter 8 of the WESM Rules;

WHEREAS, on 14 August 2019 the Market Operator submitted to the Rules Change Committee (RCC) its proposed amendments to the WESM Market Manual on Dispatch Protocol for the implementation of enhancements to WESM design and operations;

WHEREAS, the proposal aims to adopt minor adjustments on the timeline of market run activities for the Day Ahead Projections (DAP), Hour Ahead Projections (HAP) and Real Time Dispatch (RTD) to ensure that the market runs will be completed in a timely manner in accordance with the WESM timetable;

WHEREAS, on 16 August 2019, the RCC during its 155th RCC Meeting discussed with the Market Operator the abovementioned proposal, and thereafter approved the publication of the proposed amendments in the Philippine Electricity Market Corporation's (PEMC) information website to solicit comments from market participants and other interested parties;

WHEREAS, on 18 October 2019, the RCC during its 157th RCC Meeting deliberated on the proposal giving due course to the comments received from market participants, and thereafter finalized and approved for endorsement to the PEM Board;

WHEREAS, on 27 November 2019, after due evaluation and deliberation, the PEM Board during its 18th Regular PEM Board Meeting, approved for endorsement to the DOE the above stated RCC-approved proposal;

WHEREAS, on 19 December 2019, the PEM Board-approved amendments to the WESM Market Manual on Dispatch Protocol were submitted to the DOE for final approval, in compliance with Chapter 8 of the WESM Rules;

WHEREAS, on 18 March 2020, the DOE posted the draft Department Circular adopting the proposed amendments in the DOE website to solicit comments from the market participants and other interested parties;

WHEREAS, on 15, 17 and 19 June 2020, the DOE conducted virtual public consultations on the proposed amendments to solicit further comments from the stakeholders and other interested parties;

NOW THEREFORE, after careful review of the PEM Board-approved proposal and the comments and recommendations received on the same, the DOE, pursuant to its authority under the EPIRA and the WESM Rules, hereby adopts, issues, and promulgates the following amendments to the WESM Market Manual on Dispatch Protocol, Issue No. 13:

Section 1. Amendments to the WESM Market Manual. The following provisions in the WESM Market Manual on Dispatch Protocol, Issue No. 13, are hereby amended.

a. Section 4.1.4 (Background) under WESM Timetable is added to read as –

“4.1.4 The *Market Operator* shall periodically review and update, if necessary, the *WESM Timetable*.”

b. Section 4.4.2 (Day-Ahead Projection (DAP)) under WESM Timetable is amended to read as:

“4.4.2 The activities that shall be performed for the DAP, within the time specified, using inputs for the covered study period of that specific DAP run, are provided in Table 2. The covered periods for all DAP runs within a day are provided in Table 3.

Table 2. DAP Timeline

Time	Activity	Responsible Party
Before [STPH1* - 10 minutes]	Submit the most recent <i>self-scheduled nominations, bids and offers</i> for all relevant hours of the DAP run	<i>Trading Participants</i>
Before [STPH1 + 1 minute]	Provide updates on the following, if any: 1. <i>Outage Schedules</i> 2. <i>Contingency List</i> 3. <i>Over-riding Constraints</i> 4. <i>Reserve Requirements</i>	<i>System Operator</i>

* STPH1 refers to the Start Time of the first Projected Hour (1) covered by the DAP run. For example, the Projected Hour of 0900H has a start time of 08:00 AM and an end time of 09:00 AM.

Time	Activity	Responsible Party
	5. Real-time system snapshot 6. VRE Aggregated Generation Forecasts 7. Forecasts on the loading levels of Must dispatch generating units	
Before [STPH1 + 1 minute]	Submit load forecast for the covered period	Market Operator
[STPH1 + 1 minute]	Execute DAP	Market Operator
Before [STPH1 + 25 minutes]	Publish DAP Results in the MPI	Market Operator
	Transmit DAP Results to System Operator	Market Operator

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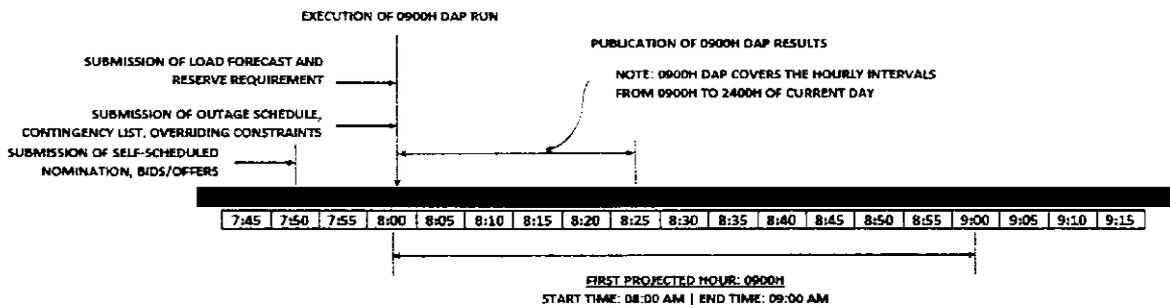


Figure 3. DAP Timeline”

- c. Section 4.5.2 (Hour-Ahead Projection (HAP)) under WESM Timetable is amended to read as:

“4.5.2 The following activities shall be performed for the HAP, within the time specified, using inputs for the covered study period of that specific HAP run.

Table 4. HAP Timeline

Time	Activity	Responsible Party
Before [STDI1** – 9 minutes]	Submit the most recent self-scheduled nominations, bids and offers for all relevant hours of the HAP run	Trading Participants

** STDI1 refers to the Start Time of the first dispatch interval (1) covered by the HAP run. For example, the 0815H dispatch interval has a start time of 08:10 AM and an end time of 08:15 AM. And if this is the first dispatch interval of the HAP run, then it will cover the period until 09:10 AM.

Time	Activity	Responsible Party
Before [STDI1 – 7 minutes]	Provide updates on the following, if any: 1. <i>Outage Schedules</i> 2. <i>Contingency List</i> 3. <i>Over-riding Constraints</i> 4. <i>Reserve Requirements</i> 5. <i>Real-time system snapshot</i>	<i>System Operator</i>
Before [STDI1 – 7 minutes]	Submit <i>load forecast</i> for the covered period	<i>Market Operator</i>
[STDI1 – 7 minutes]	Execute HAP	<i>Market Operator</i>
Before [STDI1 – 2 minutes]	Publish HAP Results in the <i>MPI</i>	<i>Market Operator</i>
	Transmit HAP Results to <i>System Operator</i>	<i>Market Operator</i>

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- d. Section 4.6.2 (Real-Time Dispatch Schedule (RTD)) under WESM Timetable is amended to read as:

“4.6.2 The following activities shall be performed for the RTD, within the time specified, using inputs for the covered study period of that specific RTD run:

Table 5. RTD Timeline

Time	Activity	Responsible Party
Before [STDI1*** – 9 minutes]	Submit <i>self-scheduled nominations, bids and offers</i> for all relevant hours of the RTD run	<i>Trading Participants</i>
Before [STDI – 7 minutes]	Provide updates on the following, if any: 1. <i>Outage Schedules</i> 2. <i>Contingency List</i> 3. <i>Over-riding Constraints</i> 4. <i>Reserve Requirements</i> 5. <i>Real-time system snapshot</i>	<i>System Operator</i>
Before [STDI – 7 minutes]	Submit <i>load forecast</i> for the relevant <i>dispatch interval</i>	<i>Market Operator</i>
[STDI – 7 minutes]	Execute RTD	<i>Market Operator</i>
Before [STDI – 2 minutes]	Publish RTD Results in the <i>MPI</i>	<i>Market Operator</i>
	Transmittal of <i>Energy and Reserve Schedules, and</i>	<i>Market Operator</i>

*** STDI refers to the Start Time of the relevant *dispatch interval*.

Time	Activity	Responsible Party
	<i>WESM Merit Order Table to the System Operator</i>	

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Section 2. Transitory Provisions. This amended Market Manual shall be initially used for the development of the WESM's New Market Management System (NMMS) and provide guidance for the stakeholders and WESM participants on the implementation of the enhancements to WESM design and operations. For clarity, the Market Manual on Dispatch Protocol, Issue No. 12, shall remain valid and effective for the commercial operation of the integrated wholesale market and retail competition using the current MMS.

Section 3. Separability Clause. If for any reason, any section or provision of this Circular is declared unconstitutional or invalid, such parts not affected shall remain valid and subsisting.

Section 4. Effectivity. This Circular shall take effect fifteen (15) days following its publication in two (2) newspapers of general circulation. Copies thereof shall be filed with the University of the Philippines Law Center – Office of National Administrative Register (UPLC-ONAR).

Issued on _____ 2020 at the Energy Center, Rizal Drive, Bonifacio Global City, Taguig City.


ALFONSO G. CUSI
 Secretary

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