



TECHNICAL COMMITTEE 2019 ACCOMPLISHMENTS

29 July 2020 AGMM, 2:00PM-4:00PM

PEMC *G10*

A Premier Electricity Market & Champion of *G*overnance

TECHNICAL COMMITTEE

Responsibilities

(WESM Rules 1.7)

1. Monitor technical matters relating to the operation of the spot market
2. Assist the PEM Board
3. Assist the Rules Change Committee in relation to its assessment of proposals of a technical nature to amend the WESM Rules



2019 PRIORITIES



**Variable Renewable
Energy (VRE)**



**MO-SO-DU-EG
Coordination
Protocol**



**Support to
PEMC**

WORK PLAN: INTEGRATION OF VRE & OTHER TECHNOLOGIES

| 2019 | 2020 | 2021 | 2022 – 2025 |
|---|--|---|--|
| Implementation of the Enhanced WESM Design (shorter dispatch interval) | Generation- & Grid-side Storage Proposed framework for energy storage system including requirements for VREs | Assessment of the Locational Marginal Pricing | RE Market competitiveness study |
| Demand Response: Development of a Proposed Framework for Distribution Network Protocol (MO-SO-DU Interface) | Energy & Reserve Co-optimization Reserve Market benefit projection/analysis | VRE Participation: Study on the reclassification of VRE resources | Capacity Market: Proposed Framework for Implementation |

Equally Important Market Programs/Policies:

1. Distributed Energy Resources Licensing and enhanced net-metering Rules (ERC)
2. Competitive RE Zone for TDP 2020-2045 (DOE)
3. Framework and plan for the implementation of Causer's Pay Mechanism (DOE)

MO-SO-DU-EG COORDINATION PROTOCOL

To determine the issues and challenges in Mindanao market operations, the TC organized the following consultations/meetings:

JUL

10

- ✓ Meeting with NGCP

AUG

14

- ✓ Consultation on Embedded Generation in Mindanao

OCT

05

- ✓ Meeting with Distribution Utilities



March 2020: MO-SO-DU-EG Coordination Protocol Survey

JOINT CONDUCT OF THE 7TH MO AUDIT AND 4TH RMIA

The TC Chairperson was tasked to chair the Technical Working Group (TWG) and one member of the TC was also part of the TWG.

The following are the activities done by the TWG for the year 2019:



- ✓ Finalization of the Request for Proposal (RFP) document
- ✓ Shortlisting of eligible bidders and issuance of the RFP to the eligible bidders
- ✓ Review and Finalization of the Selection Criteria
- ✓ Selection of Winning Bidder

PROPOSED AMENDMENTS TO THE WESM RULES AND MANUALS

The Technical Committee (TC) submitted to the Rules Change Committee comments to four (4) proposed amendments related to WESM governance

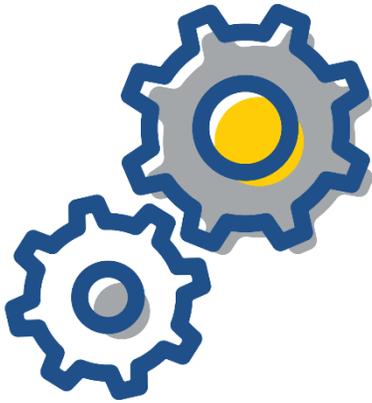


WESM Governance

- Harmonization with WESM Rules Changes
- Clarification on the Entity Monitoring Wholesale Metering Services Provider Performance
- Harmonization of the WESM Metering Manual with the Philippine Grid Code (PGC) 2016 Edition, Philippine Distribution Code (PDC) 2017 Edition, and other regulatory issuances of the DOE and the ERC
- Incorporation of the Provisions of the Department of Energy (DOE) DC2019-02-0003

PROPOSED AMENDMENTS TO THE WESM RULES AND MANUALS

The Technical Committee (TC) submitted to the Rules Change Committee comments to five (5) proposed amendments related to Market Operations



Market Operations

- Additional Modelling Requirements and Procedures
- Clarification on the Basis for Registered Capacities of Generating Units in the WESM
- Provision of a more appropriate calculation and procedures for the monitoring of forecast percentage error
- Harmonization with the Site Specific Loss Adjustment Procedures of Wholesale Metering Services Providers
- Must-Run Unit (MRU) Accounting

RECOMMENDATIONS ON TECHNICAL CONCERNS AS REQUESTED TO THE TC



Study on the Period of Conduct of Testing and Commissioning per Type of Facility

The TC recommended the following to the MSC:

1. Proponents to the ERC for Power Plant Testing and Commissioning should submit their detailed plans;
2. Proponent's authorized representative should submit its Testing and Commissioning Plans under oath.



Interpretation on the Provisions of the Metering Requirements under the Philippine Grid Code (PGC)

The specifications of MECO's current transformer comply with the metering accuracy class as well as the rated burden.

RECOMMENDATIONS ON TECHNICAL CONCERNS AS REQUESTED TO THE TC



Real-Time Dispatch Schedule Compliance Issue of Toledo Power Corporation (TPC Sangi)

Provided comments and recommendations as regards the constraints that affect TPC Sangi's compliance to real-time dispatch (RTD) schedules.



DOE's Study Request on Reclassification of Impounding HEPPs as Non-Scheduled Generating Units

TC recommended the retention of the classification of impounding HEPPs that are currently registered in the WESM as scheduled generating plants.



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