



# VALIDATION TIMELINE ADJUSTMENT IN METERING AND BILLING

15 JANUARY 2021

ONLINE

# THE PROPONENT

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- The proponent is the Independent Electricity Market Operator of the Philippines, Inc. (IEMOP)
- IEMOP is the market operator of the WESM.



# OUTLINE



ACTION  
REQUESTED



RATIONALE OF THE  
PROPOSAL



SUMMARY OF THE  
PROPOSAL



OTHER RELEVANT  
MATTERS



# ACTION REQUESTED

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- For approval to publish



# RATIONALE OF THE PROPOSAL

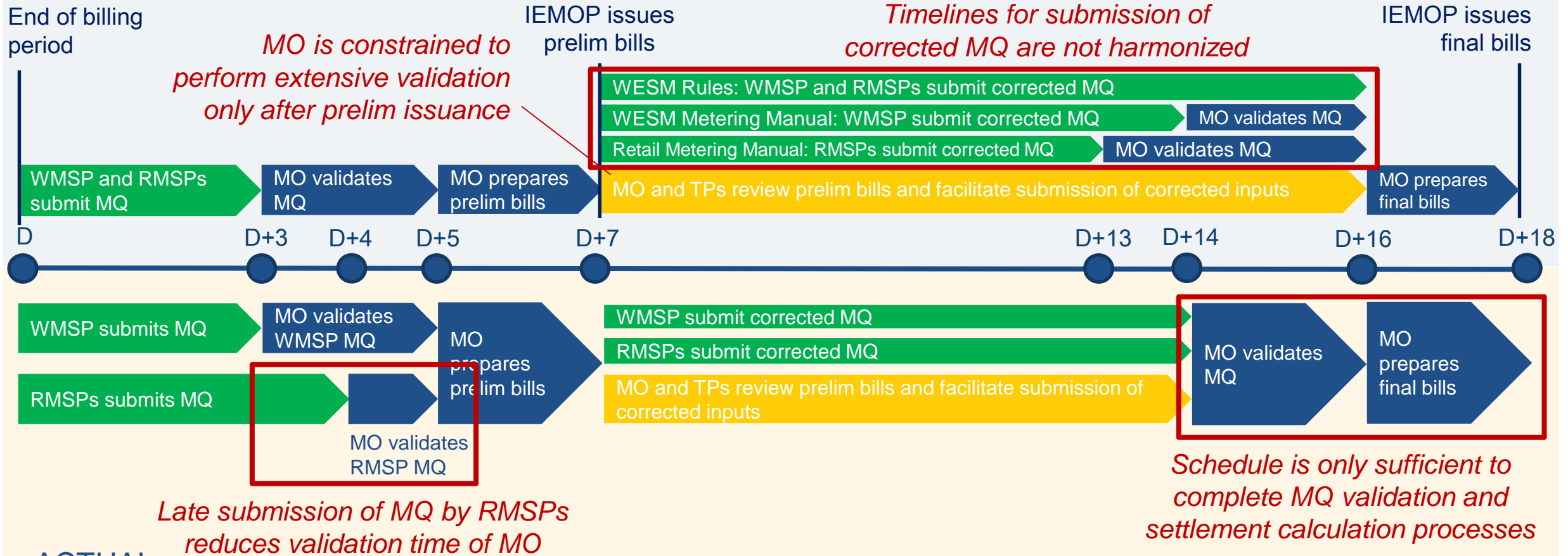
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- › Address issue on inconsistency in Rules and Manuals on metering correction timeline
- › Provide additional validation time for MO
- › Improve compliance of MSPs to the timely submission of monthly metering data



## SUMMARY OF THE PROPOSAL (Background)

## BASED ON RULES

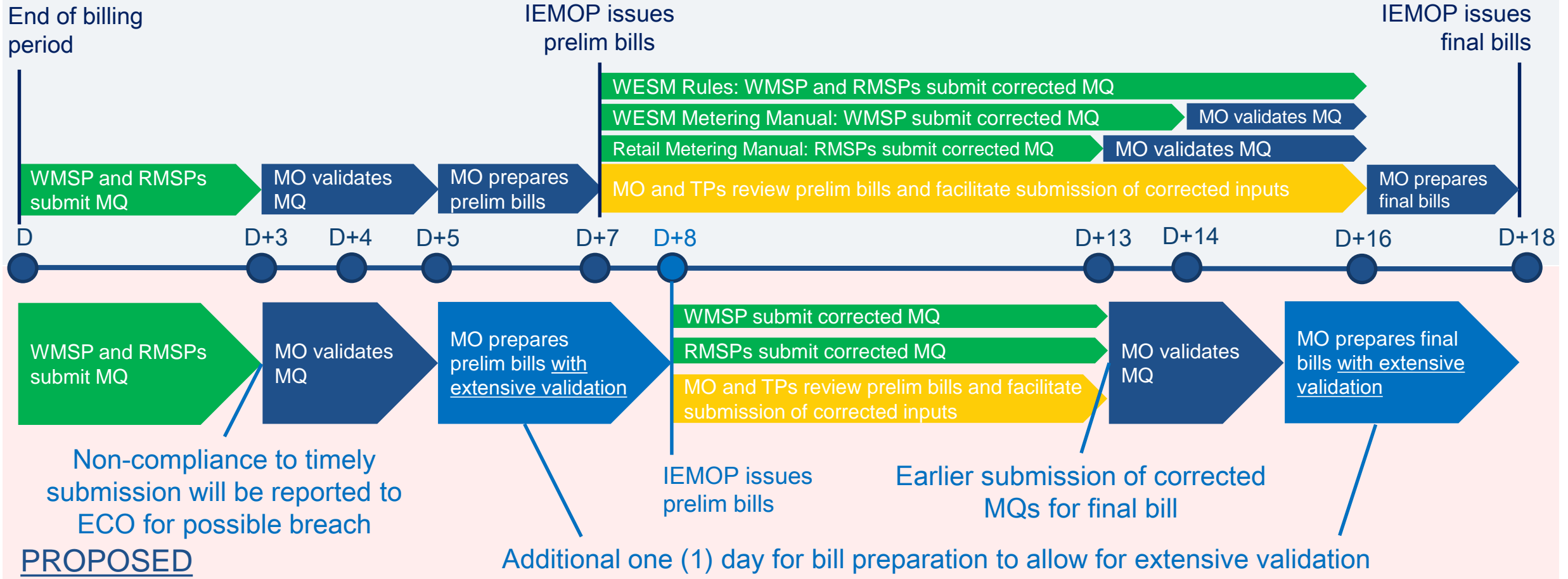


## ACTUAL



# SUMMARY OF THE PROPOSAL (1/2)

## BASED ON RULES



# SUMMARY OF THE PROPOSAL (2/2)

DESCRIPTION	RATIONALE	BENEFITS
Validation Timeline Adjustment in Metering and Billing	<ul style="list-style-type: none"><li>› Address issue on inconsistency in Rules and Manuals on metering correction timeline</li><li>› Provide additional validation time for MO</li><li>› Improve compliance of MSPs to the timely submission of monthly metering data</li></ul>	<ul style="list-style-type: none"><li>› Clearer timelines in metering data correction</li><li>› Reduce issuance of settlement adjustments</li></ul>





# OTHER RELEVANT MATTERS

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- None



# ACTION REQUESTED

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- For approval to publish





THANK YOU!



# RCC'S REQUEST FOR ADDITIONAL INFORMATION AND DATA (IEMOP'S PROPOSAL ON VALIDATION TIMELINE ADJUSTMENT)

19 February 2021

Via MS Teams



A Premier Electricity Market & Champion of Governance

# OUTLINE



BACKGROUND



DISCUSSION

# BACKGROUND

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As discussed during the 173<sup>rd</sup> RCC Meeting last 15 January 2021, the RCC requested IEMOP to provide additional information and data, as listed below:

- Current performance of MSPs (frequency and reason of delays);
- Critical part in MO's validation (need to upgrade in the system);
- Possible impacts on MSPs;
- Occurrence of request for correction or adjustment;
- Reason for harmonization of timeline with the Retail Manual;
- Validation process of MQs;
- Implication of adjusting the D+18 to a longer period

# 1. CURRENT PERFORMANCE OF MSPS (FREQUENCY AND REASON OF DELAYS)

- MSP does not provide specific response to MTR issuance due to delay of MQ provision, most of the response are no data yet. Some emailed their reason for delay and is due to typhoon. Some of them did not provide response at all.
- Below are MSPs with delays of MQ delivery based on the 3 days after billing cut-off using 2020 data.

MSP Name	MSP Shortname	Number of Delays*	% Number of Delays
Visayan Electric Company	VECOMSP	1	0.10%
Bohol I Electric Cooperative, Inc.	BHCO1MSP	2	8.30%
Tarlac Electric, Inc.	TEIMSP	2	1.40%
Isabela I Electric Cooperative, Inc.	ISLCO1MSP	1	2.80%
Iloilo I Electric Cooperative, Inc.	ILECO1MSP	7	29.20%
Dagupan Electric Corporation	DECORPMSP	8	33.30%
Tarlac I Electric Cooperative, Inc.	TRLCO1MSP	12	33.30%
Leyte II Electric Cooperative, Inc.	LEYCO2MSP	6	25.00%
Aklan Electric Cooperative, Inc.	AKELCOMSP	3	8.30%
Cebu I Electric Cooperative, Inc.	CEBEC1MSP	13	56.50%
Peninsula Electric Cooperative, Inc.	PENLCOMSP	7	10.00%
Samar I Electric Cooperative, Inc.	SMLCO1MSP	2	16.70%

MSP Name	MSP Shortname	Number of Delays*	% Number of Delays
Camarines Sur II Electric Cooperative, Inc.	CASUR2MSP	8	17.00%
Albay Electric Cooperative, Inc.	ALECOMSP	2	2.80%
Panay Electric Company**	PECOMSP	8	100.00%
Central Pangasinan Electric Cooperative, Inc.	CENPELCOMSP	1	8.30%
Don Orestes Romualdez Cooperative, Inc.	DRLCOMSP	1	8.30%
Cagayan II Electric Cooperative, Inc.	CGLCO2MSP	2	16.70%
Manila Electric Company	MRLCOMSP	330	2.40%
Authority of the Freeport Area of Bataan	AFABMSP	9	42.90%
San Fernando Electric Light & Power Company, Inc.	SFELAPMSP	18	8.30%
Negros Occidental Electric Cooperative, Inc.	NOCECOMSP	7	63.60%
Isabela II Electric Cooperative, Inc.	ISLCO2MSP	4	40.00%
Sorsogon II Electric Cooperative, Inc.	SOREC2MSP	1	16.70%

\* Based on number of metering points

\*\* PECOMSP is no longer an MSP starting May 2020

## 2. CRITICAL PART IN MO'S VALIDATION (NEED TO UPGRADE IN THE SYSTEM)

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- The critical part in MO's validation process includes ensuring the accuracy of different market inputs/processed data for an accurate result of the metering and billing processes and minimize additional adjustments; such as metering data trouble/error detection, metering configuration/actual connection for SSLA and MTN/Meter mapping, registration data vs metering data/info - participants switching/mapping, types, schedules, prices, pricing condition, and BCQs, metering and billing results validation at per participant level.
- These critical validation processes require human intervention and sufficient time to confirm accuracy for these interconnected inputs and outputs on the metering and billing processes even with an upgrade in the system. With the expected increase of additional metering points as results of upcoming new market activities such as WESM Mindanao, implementation of 500kW lower threshold in RCOA and MO's assistance to GEOP, MO stands firm with its proposal on Validation Timeline adjustment in metering and billing.



### 3. POSSIBLE IMPACTS ON MSPS

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- No significant impact since the monthly MQ provision timeline was not changed which is 3 days after billing cut-off

## 4. OCCURRENCE OF REQUEST FOR CORRECTION OR ADJUSTMENT

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- Total of 92 as of Feb 2021

Billing Month	Occurrence of request for correction or adjustment
Jan-20	18
Feb-20	12
Mar-20	30
Apr-20	6
May-20	10
Jun-20	1
Jul-20	1
Aug-20	1
Sep-20	3
Oct-20	8
Nov-20	1
Dec-20	1

## 5. REASON FOR HARMONIZATION OF TIMELINE WITH THE RETAIL MANUAL

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- To minimize inconsistency/conflict in the implementation of Wholesale and Retail manuals.

## 6. VALIDATION PROCESS OF MQS

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- MO validation process is based on Section 6.3 of WESM manual on metering standards and procedures provided below:

### 6.3.1 Daily Validation

#### 6.3.1.1 Validation Categories

The Market Operator shall perform several checks upon receipt of metering data. These checks are described further in Section 6.3.1.2. Metering data that fail the checks will be reported according to four (4) error categories:

- a. Uncertain Values;
- b. Missing Values;
- c. Outside Historical Min/Max limits; and
- d. Orphan Values.

# 6. VALIDATION PROCESS OF MQS

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## 6.3.1.2 Validation Checks

The following checks will be performed by the Market Operator for the above validation error categories:

- a. Check for uncertain values
- b. Check for missing values
- c. Evaluate the meter's maximum and minimum readings;
- d. Verify the values of the metered data whose meter is not registered in the MMS master lists which are known as the "Orphan Values"
- e. Review the historical meter readings which fall outside defined parameters max/min of the historical data. The historical data used are as follows:
  - i. Value during the same hour last week;
  - ii. Value during the same dispatch interval of the same previous day of the same type (i.e. weekday or weekend); and
  - iii. Average values during the previous days or last week of the same hour.

# 6. VALIDATION PROCESS OF MQS

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## 6.3.2 Monthly Validation

In addition to the daily validation, the Market Operator shall also validate the monthly metering data sent by the WESM Metering Services Providers. The procedure for the monthly validation is as follows:

- a. The Metering Services Provider shall submit preliminary metering data. The preliminary metering data must have no missing values. The Metering Services Provider shall report to the Market Operator all discrepancies between the monthly metering data and the daily metering data values with justifications for the discrepancies;
- b. The Market Operator shall compare the values contained in the monthly metering data to the daily metering data of each metering point submitted by the Metering Services Provider. If there are discrepancies between the values, a Meter Trouble Report (refer to Section 7) shall be issued by the Market Operator to the Metering Services Provider;
- c. If issued a Meter Trouble Report, the Metering Services Provider shall correct the metering data and submit final metering data not later than four (4) business days prior to the issuance of the final settlement statement; and
- d. The final metering data shall be formally transmitted to the Market Operator with a cover letter identifying all the metering points, through their Site Equipment Identification Number.

## 7. IMPLICATION OF ADJUSTING THE D+18 TO A LONGER PERIOD

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- Reduction of billing adjustments since MO will have sufficient time for Metering and Settlement validation process.



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