MINUTES OF THE RULES CHANGE PANEL
121ST MEETING
HELD ON WEDNESDAY, 10 MARCH 2021 AT 10.00AM
VIA VIDEO-CONFERENCING

Present
Toh Seong Wah (Chairman) Henry Gan
Soh Yap Choon Teo Chin Hau
Tony Tan Calvin Quek
Carol Tan Sean Chan
Terence Ang Song Jian En
Cheong Zhen Siong Ho Yin Shan
Dr Toh Mun Heng Fong Yeng Keong

Absent with Apologies:
Tan Chian Khong

In Attendance: Poa Tiong Siaw Wang Jing
(EMC) Li Zhenhui Qin Weixiao
Joash Seng Clarissa Ooi

1. Notice of Meeting

The Chairman called the meeting to order at 10.00am. The Notice and Agenda of the meeting were taken as read.

2. Confirmation of Minutes of the 120th RCP Meeting

The Minutes of the 120th RCP meeting, held on 27 January 2021, were noted and the RCP approved the Minutes.

3. Monitoring List

The RCP noted the content of the Monitoring List.

3.1 Mr Henry Gan shared that the high numbers of re-runs relate to Generation Settlement Facilities (“GSF”) where both the main and alternate default busbars were disconnected from the grid due to a planned maintenance. He explained that under the current rules, the designation of the main and alternate default busbars must be within the same substation. One way to avoid such re-runs would be to allow the main and alternate default busbars of a GSF to be sited in different substations. Mr Henry Gan added that EMC has tabled this issue in the Joint Operation Committee between EMC and PSO, and PSO recognised that there is a constraint in the rules on this issue. Mr Soh Yap Choon agreed with Mr Henry Gan and said that PSO will work with EMC to follow up on this issue.

4. Summary of Outstanding Rule Changes

The RCP noted the summary of outstanding rule changes.
5. **Rules Change Work Plan Status Update**

The RCP noted the update on the Rules Change Work Plan.

6. **Appointment of Technical Working Group 2021-2023**

(Paper No. EMC/RCP/121/2021/05)

Ms Clarissa Ooi informed the Panel that the Technical Working Group (“TWG”) is an industry-resourced group, appointed by the RCP to assist the RCP in examining technical market rule changes (typically relating to Market Clearing Engine (“MCE”) formulation). The TWG comprises eight members as follows:

- Four experts based on nominations from Market Participants (“MPs”)
- One person nominated by the PSO
- One person nominated by the Transmission Licensee
- One MCE expert nominated by EMC
- Chairperson nominated by EMC

It was noted that the term of the current TWG ended on 31 December 2020. EMC then called for nominations from MPs to form the next TWG. Four nominations for experts nominated by MPs were received.

Based on the CVs received, EMC evaluated that the nominees demonstrate competency and relevant experience consistent with the TWG Selection Criteria.

EMC recommended that the Panel appoint the following nominees of MPs to the next TWG:

- **Four experts based on nominations from MPs**
  - Ms Clare Savereux
  - Mr Shaun Tan
  - Ms Lim Xingyi
  - Ms Du Ying

- **One Person nominated by the PSO**
  - Mr Loh Poh Soon

- **One Person nominated by the Transmission Licensee**
  - Ms Tan Hui Xin

- **One MCE Expert nominated by EMC**
  - Ms Cherie Chen

- **Chairperson nominated by EMC**
  - Mr Poa Tiong Siaw
6.1 EMC recommended that the RCP supports:
   a. that the term of appointment of the TWG be 3 years going forward to align with the RCP's term of appointment.
   b. the appointment of the following persons to the TWG from 1 January 2021 to 31 December 2023:
      • Ms Clare Savereux (Market Participant Representative)
      • Mr Shaun Tan (Market Participant Representative)
      • Ms Lim Xingyi (Market Participant Representative)
      • Ms Du Ying (Market Participant Representative)
      • Mr Loh Poh Soon (Power System Operations Representative)
      • Ms Tan Hui Xin (Transmission Licensee Representative)
      • Ms Cherie Chen (MCE Expert)
      • Mr Poa Tiong Siaw (as Chairperson)

6.1.1 The Panel **unanimously supported** EMC’s recommendations.

(Paper No. EMC/RCP/121/2021/06)

Ms Qin Weixiao updated the RCP on the progress made in the previous work plan approved in March 2020. Out of the 11 issues scheduled to commence within the 12 months, 2 issues have been completed and significant progress was made on 7 other issues. She gave an update on the status of the 7 ongoing issues.

Ms Qin Weixiao then briefed the Panel on the consultation process and ranking methodology adopted. She informed the Panel that EMC recommended 12 issues (including 7 ongoing issues) to be shortlisted for commencement within the next 12 months. Additionally, 5 issues are to be removed from the workplan and referred to the EMA since they are either not under RCP’s purview or overlap with ongoing EMA workstreams.

The Panel considered and discussed the highest-ranked issues on the list.

7.1 In response to Mr Soh Yap Choon’s query about the decision process on retaining issues that have received votes to be removed and the removal of the 5 issues from the RCP Workplan, Ms Qin Weixiao replied that the approach is to assess whether the issue is within the purview of RCP and whether the issue has a potential overlap with EMA workstreams. For issues that have received ample number of votes to be removed, it is for the RCP to discuss and decide whether the said issues should be removed and if the the reasons for removal given by the stakeholders are justified. Ms Qin Weixiao clarified that the EMC has proposed for the 5 issues to be removed because they are either not within the purview of the RCP or overlap with EMA’s ongoing workstreams, but not because of the number of votes to remove that they have received from the stakeholders.
7.1.1 Mr Henry Gan asked how many votes are considered ample to remove an issue. Ms Qin Weixiao replied that in the past, EMC will highlight issues that have received more than 5 removal votes to the RCP. However, there is no fixed criteria for the number of votes to be considered ample. It is for the RCP to deliberate on whether the stakeholders’ reasons to remove are justified and the RCP’s view on the number of ample votes to remove an issue. Mr Poa Tiong Siaw added that the context of a rule change proposal is important. If an issue receives more than 5 removal votes, EMC will flag it out and table it at the RCP meeting for discussion on whether to remove the issue and whether the points raised by the stakeholders to remove make sense. He hopes that the RCP will allow EMC some flexibility in recommending the most logical and efficient proposals to the RCP.

7.2 Issue 30: Review the Scope for Compensation under Market Rules Section 5.4.3 of Chapter 5

With reference to Issue 30, Mr Terence Ang noted that there were a few suggestions for it to be merged with Issue 6: Framework for determining compensation claims amount for MPs in compliance of PSO directions, and asked if EMC will be taking the comments in entirety. Ms Qin Weixiao replied that EMC will assess when it starts work on Issue 6 and if there are sufficient evidence or certain cost savings in merging the two issues, EMC will do so.

7.3 The RCP unanimously agreed on the following Rules Change Work Plan 2021 and tasked EMC to monitor its progress.

<table>
<thead>
<tr>
<th>Issue No.</th>
<th>Issue Title</th>
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<tbody>
<tr>
<td>1</td>
<td>Imposition of Minimum Net Tangible Asset as a Condition of Participation for Retailers</td>
</tr>
<tr>
<td>2</td>
<td>Holistic review of the current prudential requirement obligations and its enforcement process under the market rules</td>
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<tr>
<td>3</td>
<td>Deterrence of settlement payment default by market participants</td>
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<td>4</td>
<td>Review allowable remedies for default events</td>
</tr>
<tr>
<td>5</td>
<td>Proposed review of constraint violation penalty structure</td>
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<tr>
<td>8</td>
<td>Provision of Real-time Estimates of the Reserve Responsibility Share (RRS) for Each GRF</td>
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<tr>
<td>9</td>
<td>Provision/clearing of ancillary services without active power generation</td>
</tr>
<tr>
<td>6</td>
<td>Framework for determining compensation claims amount for MPs in compliance of PSO directions</td>
</tr>
<tr>
<td>33</td>
<td>Introduction of Solar Forecast in existing EMC’s MCE</td>
</tr>
<tr>
<td>32</td>
<td>Load forecasting and MCE dispatch and price determination when contracted Fast Start unit(s) is performing monthly test or when actual activation</td>
</tr>
<tr>
<td>11</td>
<td>Price revision (re-run) to market price cap for periods with real-time load shedding and periods whereby PSO issues overriding dispatch instructions</td>
</tr>
<tr>
<td>13</td>
<td>Amendments to the StartGeneration used in the real-time schedule (RTS), and the first dispatch period of the short-term schedule (STS) and pre-dispatch schedule (PDS)</td>
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(Mr Teo Chin Hau joined the meeting)

7.4 The RCP by majority vote supported the proposal to refer the following 5 issues to the EMA and remove them from the work plan.

<table>
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<tr>
<td>35</td>
<td>Export rebate for Solar PV system installed at Premise under Master-sub metering scheme</td>
</tr>
<tr>
<td>28</td>
<td>Review the treatment of import in the market</td>
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<tr>
<td>29</td>
<td>Review of reserve allocation and AFPS for import</td>
</tr>
<tr>
<td>22</td>
<td>Treatment of consecutive trading periods for demand response events</td>
</tr>
<tr>
<td>25</td>
<td>Minimum Stable Load (MSL) for Load Registered Facilities</td>
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The following RCP members supported:

- Mr Henry Gan (Representative of EMC)
- Mr Soh Yap Choon (Representative of the PSO)
- Mr Teo Chin Hau (Representative of Generation Licensee)
- Mr Tony Tan (Representative of Generation Licensee)
- Mr Calvin Quek (Representative of Generation Licensee)
- Mr Sean Chan (Representative of Retail Electricity Licensee)
- Mr Terence Ang (Representative of Retail Electricity Licensee)
- Mr Song Jian En (Representative of Retail Electricity Licensee)
- Ms Ho Yin Shan (Representative of the market support services licensee)
- Ms Carol Tan (Representative of Transmission Licensee)
- Dr Toh Mun Heng (Representative of Consumers of Electricity in Singapore)
- Mr YK Fong (Representative of Consumers of Electricity in Singapore)

The following RCP member abstained:

- Mr Cheong Zhen Siong (Representative of Wholesale Electricity Trader)

There being no other matters, the meeting ended at 11.00am.

Toh Seong Wah
Chairman

Minutes taken by:  
Angeline Tan  
Executive, Legal and Corporate Secretariat