

**MINUTES OF THE RULES CHANGE PANEL
148th MEETING
HELD ON THURSDAY, 15 MAY 2025 AT 10.00AM
AT ENERGY MARKET CO. PTE LTD
4 SHENTON WAY #03-01
SGX CENTRE 2, SINGAPORE 068807**

Present:	Toh Seong Wah (Chairman) Soh Yap Choon Andrew Tan Matthijs Jan Guichelaar Fong Yeng Keong Dr Toh Mun Heng	Henry Gan Sherman Toh Teo Swee Teng Wong Yew Chung Calvin Quek
Absent with Apologies:	Cheong Zhen Siong Teo Chin Hau	Koay Yi Jing Dallon Kay
In Attendance: (EMC)	Poa Tiong Siaw Lim Chern Yuen Vincent Wise	Li Zhenhui Alfred Toh Reuben Ngiau

	Minutes of 148th RCP Meeting – 15 May 2025	Action
1.	<p>Notice of Meeting</p> <p>The Chairman called the meeting to order at 10.00am. The Notice and Agenda of the meeting were taken as read.</p>	
2.	<p>Confirmation of Minutes of the 146th and 147th Rules Change Panel Meeting</p> <p>The Minutes of the 146th and 147th Rules Change Panel (“RCP”) meeting, held on 13 March 2025 and 4 April 2025, were approved by the RCP.</p>	
3.	<p>Update of Monitoring List, Summary of Outstanding Rules Change Submissions, and RCP Work Plan Status Update</p> <p>Mr Li Zhenhui presented the Update of Monitoring List, Rule Change Submission, and RCP Work Plan Status Update.</p>	
4.	<p>RC393: Compensation for Energy Storage Systems</p> <p>Mr Lim Chern Yuen presented the background and analysis for this paper.</p> <p>(Mr Matthijs Jan Guichelaar joined the meeting)</p>	

4.2	<p>Mr Lim proceeded to present the summary of proposed market rule modifications as follows:</p> <table border="1" data-bbox="331 309 1155 622"> <thead> <tr> <th>S/N</th> <th>Chapter / Section</th> <th>Proposed Modifications</th> <th>Reasons for Modifications</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Chapter 3, Section 3.3.1.5</td> <td>Include reference to section 10.2.9 of Chapter 6</td> <td>To include requests for compensation in the event of planned load shedding (as described in Chapter 6, Section 10.2.9, in turn referring to Appendix 6I) within the scope of disputes that shall be resolved by the dispute resolution process, and to subject such compensation claims to the same procedure as described in Chapter 3, Section 3.11.</td> </tr> <tr> <td>2</td> <td>Chapter 6, Section 10.2.9</td> <td>Simplify and combine with existing Appendix 6I, Section I.2</td> <td>Align with Chapter 6, Section 10.2.10</td> </tr> <tr> <td>3</td> <td>Appendix 6I</td> <td>Introduce criteria and calculation for compensation to ESS in the event of planned load shedding</td> <td>Allow ESS to claim compensation when it is discharging and the energy price was revised upward, as well as when it is charging and the energy price was revised downward.</td> </tr> <tr> <td>4</td> <td>Appendix 6M</td> <td>Introduce criteria and calculations for compensation to ESS arising from market energy price revision</td> <td>Allow ESS to claim compensation when it is discharging and the energy price was revised downward, as well as when it is charging and the energy price was revised upward.</td> </tr> </tbody> </table>	S/N	Chapter / Section	Proposed Modifications	Reasons for Modifications	1	Chapter 3, Section 3.3.1.5	Include reference to section 10.2.9 of Chapter 6	To include requests for compensation in the event of planned load shedding (as described in Chapter 6, Section 10.2.9, in turn referring to Appendix 6I) within the scope of disputes that shall be resolved by the dispute resolution process, and to subject such compensation claims to the same procedure as described in Chapter 3, Section 3.11.	2	Chapter 6, Section 10.2.9	Simplify and combine with existing Appendix 6I, Section I.2	Align with Chapter 6, Section 10.2.10	3	Appendix 6I	Introduce criteria and calculation for compensation to ESS in the event of planned load shedding	Allow ESS to claim compensation when it is discharging and the energy price was revised upward, as well as when it is charging and the energy price was revised downward.	4	Appendix 6M	Introduce criteria and calculations for compensation to ESS arising from market energy price revision	Allow ESS to claim compensation when it is discharging and the energy price was revised downward, as well as when it is charging and the energy price was revised upward.	
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4.3	<p>Mr Lim concluded that the proposed modifications allow ESS to claim compensation for periods with market energy price revision, in a way that is consistent with other GRFs.</p> <p>Hence, EMC recommends that the RCP:</p> <ol style="list-style-type: none"> a) Support the proposed modifications as set out in Annex 1; and b) Recommend that the EMC Board adopts the proposed modifications as set out in Annex 1. 																					
4.4	<p>Mr Sherman Toh asked if this proposal only refers to standalone generators. Mr Lim responded that this proposal refers to both standalone and embedded generators.</p>																					
4.5	<p>Mr Toh queried whether generators comprising of both batteries and solar would be covered under this proposal. Mr Lim responded that if the battery and solar setup is registered as a Generation Registered Facility (GRF) with energy offers, then it would be due compensation under the relevant Market Rule appendices. However, if the setup is registered as a Generation Settlement Facility, or any other scheme (e.g., Enhanced Central Intermediary Scheme), then it will not be due compensation.</p>																					
4.6	<p>Mr Soh Yap Choon asked if this proposal covers import facilities as well. Mr Lim responded that the proposal currently only applies to GRFs, and not for Import Registration Facilities (IRFs). Mr Poa Tiong Siaw added that the inclusion of IRFs may be addressed as part of the separate import workstream.</p>																					
4.7	<p>Mr Henry Gan highlighted to the panel that based on the proposal, there would be computation changes for the manual compensation process, and that some time is required to effect these changes.</p>																					
4.8	<p>Chairman called for a vote and the RCP unanimously supported the EMC's recommendations listed in 4.3</p>																					

5.	CP100: Exclude Provisional Prices from Temporary Price Cap (TPC) Moving Average Price (MAP) Calculation	
5.1	Mr Vincent Wise shared relevant background to the TPC mechanism and provisional prices, following up with analysis of the proposal.	
5.2	Mr Fong Yeng Keong clarified if there could be a situation where the TPC is activated based on ex-ante prices, but the TPC activation is reversed subsequently based on revised prices. Mr Wise responded that there are currently no provisions for this, and the TPC activation decision would still be respected if prices are revised ex-post.	
5.3	Mr Fong further asked if there were such a provision, whether some previous TPC activations would have been reversed. Mr Wise responded that based on historical analysis, even if there were such a provision, none of the previous TPC activations would have been reversed due to revised prices.	
5.4	Mr Wise proceeded to share details on the exception handling for MAP calculation, and the comment received from Senoko Energy arising from consultation.	
5.5	Referring to Senoko's comment, Mr Wong Yew Chung asked if Senoko is referring to a specific known data quality issue. Mr Calvin Quek clarified that the comment refers to general data quality issues.	
5.6	Mr Poa Tiong Siaw added that in future, if specific data quality issues are identified, we can consider taking ex-ante actions with respect to TPC activations to address such specific identifiable issues.	
5.7	<p>Mr Wise summarised the discussion:</p> <ol style="list-style-type: none"> 1) EMC evaluated the proposal to remove provisional prices from the MAP calculation. 2) As TPC Activations/De-activations are designed as ex-ante events, it is not practicable nor appropriate to temper them with such ex-post considerations. 3) Exceptions to these are for events where EMC can pre-identify the relevant periods and intervene before the MCE generates the RTDS, and where the intervention is strictly a removal of the relevant periods. 4) EMC sought industry comments on the proposal and if there are other events that warrant exceptional handling for MAP calculation. Industry did not provide specific events that warrant exceptional handling. 5) EMC hence proposes not to exclude provisional prices from MAP calculation. 	
5.8	Chairman called for a vote and the RCP unanimously supported the EMC's recommendation in 5.7.	

There being no other matters, the meeting ended at 10.49 a.m.

Toh Seong Wah
Chairman

Minutes taken by:
Ivy Leong
Legal, Compliance & Corporate Secretarial Executive