

## Notice of Market Rules Modification

<b>Paper No.:</b>	EMC/RCP/91/2017/338
<b>Rule Reference:</b>	Chapter 2 Section 5.3.2 and Mkt Manual (Registration & Authorisation Pt 3)
<b>Proposer:</b>	EMC, Market Admin
<b>Date Received by EMC:</b>	25 Aug 2016
<b>Category Allocated:</b>	3
<b>Status:</b>	Approved by EMA
<b>Effective Date:</b>	20 February 2017

This rules change proposal is to give effect to the Rules Change Panel (RCP)'s decision at the 88<sup>th</sup> RCP meeting to include the requirement for a Market Participant, who wishes to extend the registration of its Commissioning Generation Facility, to submit the request for extension to the PSO no less than five business days before the most recent PSO's approved expected completion date of the final commissioning test. The PSO shall inform the Market Participant of the outcome of the request within 4 business days upon receipt of the request.

At the 91<sup>st</sup> RCP meeting, the RCP unanimously supported this rule change proposal and recommends that the EMC Board adopt this rule change proposal.

<b>Date considered by Rules Change Panel:</b>	10 January 2017
<b>Date considered by EMC Board:</b>	17 January 2017
<b>Date considered by Energy Market Authority:</b>	10 February 2017

**Proposed rule modification:**

See attached paper.

**Reasons for rejection/referral back to Rules Change Panel (if applicable):**

PAPER NO. : **EMC/BD/02/2017/06a**

RCP PAPER NO. : **EMC/RCP/91/2017/338**

SUBJECT : **LEAD TIME FOR EXTENSION OF COMMISSIONING  
GENERATION FACILITY'S REGISTRATION**

FOR : **DECISION**

PREPARED BY : **WANG JING  
ASSISTANT VICE PRESIDENT**

REVIEWED BY : **PAUL POH LEE KONG  
EVP, MARKET ADMINISTRATION**

DATE OF MEETING : **17 JANUARY 2017**

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### **Executive Summary**

This rules change proposal is to give effect to the Rules Change Panel (RCP)'s decision at the 88<sup>th</sup> RCP meeting to include the requirement for a Market Participant, who wishes to extend the registration of its Commissioning Generation Facility, to submit the request for extension to the PSO no less than five business days before the most recent PSO's approved expected completion date of the final commissioning test.

At the 90<sup>th</sup> RCP meeting, the Panel tasked EMC to discuss with the PSO to address PSO's comments that were submitted to the Panel. Following EMC clarifications with PSO, the revised modification proposal is set out in Annex 2 and Annex 3.

At the 91<sup>st</sup> RCP meeting, the Panel unanimously **supported** the proposed rule modifications and recommends that the EMC Board **adopt** the modification proposal as set out in Annex 2 and Annex 3.

## 1. Introduction

This rules change proposal is to give effect to the Rules Change Panel's (RCP) decision to make clear in the market manual the lead time required for a Market Participant (MP) to request for an extension of the registration of its commissioning generation facility (CGF).

## 2. Background

At the 83<sup>rd</sup> RCP meeting, the RCP discussed the Rules Change proposal "RC332: Registration Issues Relating to Commissioning Generation Facilities". The RCP was informed that under the Market Rules, the registration of a CGF shall expire on the date that the CGF completes its final commissioning tests as stated in the commissioning plan approved by the PSO. Once its registration expires, the expired CGF is not allowed to generate or withdraw electricity from the grid. If more time is required for the CGF to complete the commissioning tests, the MP should request for an extension of its CGF registration by submitting the revised commissioning plan to the PSO for approval.

At the meeting, the RCP suggested for proper processes and timelines pertaining to the handling of expired CGFs to be included in the market manual, so as to ensure that an expired CGF will not generate or withdraw electricity from the grid. After EMC's consultation with various parties on the actions and lead time required to handle an expired CGF, at the 85<sup>th</sup> RCP meeting, the RCP concluded that it is not practical to include such processes and timelines in the market manual due to the complexity of the different scenarios that could arise in relation to an expired CGF.

The RCP also concluded that EMC should revise the Maximum Generation Capacity of an expired CGF to zero in the standing data, so as to prevent an expired CGF from being scheduled. In view of the lead time required for the PSO to review and approve the revised commissioning plan and for EMC to revise the standing data (in the event that the revised commissioning plan is not approved by the PSO), the PSO suggested that a timeline should be included in the market manual to inform the MP that a minimum lead time of five business days would be required for the extension of its CGF registration. The RCP agreed to this suggestion at the 88<sup>th</sup> RCP meeting.

The RCP's discussion is summarised in Annex 1 and more details can be found in the meeting minutes published on EMC's website<sup>1</sup>.

## 3. Analysis

Currently, if a CGF's registration is going to expire and extension of the CGF registration is requested, there are no clear guidelines on how much lead time would be required for the PSO to review and approve such a request. In the event that the request is submitted late, the MP may not be able to obtain the approval of extension of its CGF registration before the expiry date.

Although the MP can subsequently file a new CGF registration application to regain the CGF registration if it wishes to continue the commissioning of its generation facility, the additional processing time required from the PSO and EMC to process such an application may cause a disruption to the CGF's commissioning plans as the generation facility will not be allowed to generate before it has regained its CGF status. Stipulating clearly the lead time required for the PSO and EMC to process the extension would allow MPs to better plan their activities and minimise disruptions to the commissioning of their generation facilities.

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<sup>1</sup> <https://www.emcsg.com/marketrules/ruleschangepanel/panelmeetings>

#### 4. Proposed Rule Modifications

Arising from the RCP's decision at the 88<sup>th</sup> meeting, EMC has drafted the proposed modifications to the market rules (as set out in Annex 2) and the market manual (as set out in Annex 3), to include the above-said timeline.

The proposed modifications are summarised in Table 1 below.

**Table 1: Summary of Proposed Modifications<sup>2</sup>**

Market Rules/Section	Proposed Changes	Reason for Change
Market Rules/Chapter 2 Section 5.3	To state that the expected date of completion of the commissioning test shall be the later of <ul style="list-style-type: none"> <li>the date of completion of the commissioning test as in the commission test plan; or</li> <li>such later date as may be requested by the MP and approved by the PSO.</li> <li></li> </ul>	This is to provide for extension of the date for completion of the final commissioning test.
	To state that the CGF registration shall expire on the earlier of <ul style="list-style-type: none"> <li>expected date of completion of the commissioning test; or</li> <li>upon the registration of the facility as a Generation Registered Facility (GRF) or Generation Settlement Facility (GSF).</li> </ul>	To make it clear that the CGF registration shall expire upon the registration of the facility as a GRF or GSF.
Market Manual "Application Form for the Registration of Commissioning Generation Facility by a Market Participant"	To state that the CGF's registration shall expire on the <ul style="list-style-type: none"> <li>expected date of completion of the commissioning test; or</li> <li>upon the registration of the facility as a GRF or GSF.</li> </ul>	To make it clear that the CGF registration shall expire upon the registration of the facility as a GRF or GSF
	To state that a request for extension must be submitted to the PSO no later than 5 business days before the most recent PSO's approved expected completion date of the final commissioning test.	To require a MP to submit a request for extension no less than 5 business days before the most recent PSO's approved expected completion date of the final commissioning test.
	To state that the PSO shall inform the MP of the outcome of the request within 4 business days of receipt of the request.	To require PSO to inform the MP of the outcome of the request within 4 business days.

<sup>2</sup> Table 1 has been updated to include changes made after the 90<sup>th</sup> RCP meeting.

## 5. Conclusion

We conclude that the proposed modifications would provide MPs with greater clarity on the lead time required for the extension of their CGF registration.

## 6. Industry Consultation for Proposed Rule Modifications

EMC published the proposed modification for the industry's comments on 25 August 2016. The following comments were received from an MP.

### Comments from PacificLight Power

We agree with the proposal that requests for extension be made no less than 5 business days from the most recent PSO-approved expected completion date of the final commissioning test.

PLP would recommend that the rules also explicitly state the timeline when EMC/PSO would feedback to the applicant regarding the result of their requested extension, no later than 24hrs before the existing completion date in the final commissioning schedule.

### EMC's response

We agree that the timeline to inform the applicant of the result of the request should be stipulated explicitly. The application form has been amended to state that the MP will be informed of the outcome within 4 business days of receipt of the request.

## 7 RCP's deliberation at the 90<sup>th</sup> RCP meeting

At the 90<sup>th</sup> RCP meeting, the Panel discussed the paper and noted the PSO's comments which are summarised below:

- instead of MPs requesting an extension of the date of completion of the final commissioning test, the PSO queried whether it was possible for MPs to bring forward the date of completion of the final commissioning test; and
- the current market rules are not clear whether the same generation facility can be registered as both a CGF and a GRF/GSF at the same time.

The RCP tasked the EMC to seek clarification with the PSO and address its concerns.

EMC clarified with the PSO and proposed to make it clear in the market rules that the CGF registration will expire upon the facility being registered as a GRF or GSF. If the CGF is able to complete its commissioning test ahead of time, it will be registered as a GRF or GSF before its original commissioning completion date.

Please refer to Annex 2 and Annex 3 for the revised proposed modifications to the market rules and market manual.

## 8. Legal Sign Off

The text of the proposed modifications to the market rules and market manual (as set out in Annexes 2 and 3 respectively) has been vetted by EMC's external legal counsel whose opinion is that the modifications reflect the intent of the rule modification proposal.

**9. RCP's Decision at the 91<sup>st</sup> RCP Meeting**

At the 91<sup>st</sup> RCP meeting, the Panel unanimously **supported** the modification proposal as set out in Annex 2 and Annex 3.

**10. Recommendation**

The RCP unanimously recommends that the EMC Board:

- (a) **adopt** the modification proposal set out in Annex 2 and Annex 3;
- (b) **seek** the EMA's approval of the modification proposal as set out in Annex 2 and Annex 3; and
- (c) **recommend** that the modification proposal as set out in Annex 2 and Annex 3 come into force **one business day** after the date on which the approval of the Authority is published by the EMC.

**Annex 1: RCP's Discussion for the Inclusion of a Timeline for Extension of CGF Registration**

<b>RCP Mtg</b>	<b>Discussion at the RCP meetings</b>
83 <sup>rd</sup> RCP	The RCP suggested for proper processes and timelines pertaining to the handling of an expired CGF be included in the market manual to ensure a smooth transition for the removal of the CGF after its expiry date.
85 <sup>th</sup> RCP	<p>After consultation with the Market Support Services Licensee and Transmission Licensee, EMC found that there could be six different scenarios relating to the expired CGFs and the correspondingly different actions required to be taken by the relevant parties. The lead time required under each scenario is also different, ranging from 7 to 19 business days.</p> <p>In view of the long lead time required (up to 19 business days) which was not practical, the complexity of different scenarios and the low probability of such issues surfacing, EMC did not recommend setting timelines in the market manual for an MP to have its CGF registration extended or to obtain approval to register its CGF as a GRF or a GSF. Instead, if an expired CGF continues to generate or withdraw energy, it will be reported to the Market Surveillance and Compliance Panel (MSCP) for investigation.</p> <p>It was also agreed that EMC should revise the Maximum Generation capacity of an expired CGF to zero in the standing data, in order to prevent the expired CGF from being scheduled. The RCP tasked EMC to draft rules changes to give effect to this.</p>
87 <sup>th</sup> RCP	<p>EMC updated the RCP that the external legal counsel's view is that no rules change is required to allow EMC to revise the standing data of an expired CGF.</p> <p>PSO subsequently suggested that a timeline should be included in the market manual for MPs to communicate with EMC and the PSO on whether they would like to extend their CGF registration.</p>
88 <sup>th</sup> RCP	<p>EMC discussed with the PSO on the processing time required for the PSO to approve the extension of CGF registration, and informed the Panel that a minimum lead time of 5 business days is required.</p> <p>The RCP tasked EMC to draft relevant rules changes to the market manual and market rules to include the timeline.</p>
90 <sup>th</sup> RCP	<p>The RCP discussed the proposed modification to the market rules and market manual so as to require MPs to submit any request for extending completion date of the final commissioning test to the PSO no later than 5 business days before the most recent PSO's approved expected completion date of the final commissioning test.</p> <p>The Panel noted the PSO's additional comments on the proposed rule and market manual changes and tasked the EMC to seek clarification with the PSO to address PSO's concerns.</p>

**Annex 2: Proposed Rule Modifications**

<p><b>Existing Market Rules (As at 01 Jul 2016)</b></p>	<p><b>Proposed Rule Changes</b> (Deletions represented by strikethrough text and additions represented by double-underlined text)</p>	<p><b>Reasons for modification</b></p>
<p><b>CHAPTER 2 - PARTICIPATION</b></p>	<p><b>CHAPTER 2 - PARTICIPATION</b></p>	
<p><b>5.3 <u>REGISTRATION OF COMMISSIONING GENERATION FACILITIES</u></b></p> <p>5.3.2 The <i>EMC</i> shall register a facility as a <i>commissioning generation facility</i> on a transitional basis if the <i>EMC</i> is satisfied that the requirements of the <i>market rules</i> and the applicable <i>market manual</i> have been met and shall issue to the <i>market participant</i> a notification of transitional registration. Each such registration shall expire upon completion by the <i>commissioning generation facility</i> of the final commissioning test submitted to and approved by the <i>PSO</i> pursuant to section 5.3.4.</p>	<p><b>5.3 <u>REGISTRATION OF COMMISSIONING GENERATION FACILITIES</u></b></p> <p>5.3.2 The <i>EMC</i> shall register a facility as a <i>commissioning generation facility</i> on a transitional basis if the <i>EMC</i> is satisfied that the requirements of the <i>market rules</i> and the applicable <i>market manual</i> have been met and shall issue to the <i>market participant</i> a notification of transitional registration. Each such registration shall expire <del>upon</del> <u>on the earlier of:</u></p> <p><u>5.3.2.1 the expected date of completion by the <i>commissioning generation facility</i> of the final commissioning test, being the later of:</u></p> <p><u>a. the date specified by the <i>market participant</i> in its commissioning test plans that have been submitted to and approved by the <i>PSO</i> pursuant to section 5.3.4.; or</u></p> <p><u>b. such later date as may be requested</u></p>	<p>To permit a market participant to request for an extension of the date for completion of the final commissioning test. To provide that the registration of a commissioning generation facility shall expire on the earlier of:</p> <p>(a) the expected date of completion by the commissioning generation facility, being the later of (i) the date specified by the market participant in its commissioning test plans submitted to and approved by the <i>PSO</i> pursuant to section 5.3.4; or (ii)</p>

Existing Market Rules (As at 01 Jul 2016)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for modification
	<p style="text-align: center;"><del>by the market participant in accordance with the applicable market manual and approved by the PSO for completing the final commissioning test.</del></p> <p style="text-align: center;"><u>in each case as communicated by the PSO to the EMC; or</u></p> <p style="text-align: center;">5.3.2.2 <u>upon the registration of the facility as a generation registered facility or generation settlement facility.</u></p>	<p>such later date as may be requested by the market participant in accordance with the applicable market manual and approved by the PSO for completing the final commissioning test, in each case as communicated by the PSO to the EMC.; or</p> <p>(b) upon the registration of the facility as a generation registered facility or generation settlement facility.</p>

Annex 3 Proposed Modification to “Application Form for Registration of  
Commissioning Generation Facility by a Market Participant”

(Deletions represented by strikethrough text and additions  
represented by double underlined text)

# **Application form for Commissioning Generation Facility Registration by a Market Participant**

including explanatory notes

**IMPORTANT: Please read this carefully before completing this form. Italicised words and expressions used herein (but not otherwise defined herein) shall have the same meanings respectively ascribed to them in the Singapore Electricity Market Rules.**

#### **Why do you need to complete this form?**

Under the *market rules*, if you are not a *market support services licensee*, you are **not permitted** to participate in the *real-time markets* or to cause or permit any *physical service* to be conveyed into, through or out of the *transmission system* unless you have been registered by the *EMC* as a *market participant*, and your facility to or from which the *physical service* is to be so conveyed has been registered by the *EMC* as a *registered facility*, a *commissioning generation facility* or a *generation settlement facility* in accordance with the *market rules*.

The *EMC* is licensed by the Energy Market Authority (the “*Authority*”) to operate the *wholesale electricity markets* (to which the *real-time markets* form a part) in Singapore. One of the *EMC*’s responsibilities is to manage the registration of facilities in the *wholesale electricity markets*. You must complete and submit this form to apply to have a facility registered by the *EMC* if you wish to convey any *physical services* into, through or out of the *transmission system* and that facility is required or permitted to be registered under the *market rules*.

#### **Why did EMC develop this form?**

The *EMC* has developed this form for applicants to apply for the relevant facility registration described in the *market rules*. You should read the relevant sections of the *market rules* prior to completing this form. Please also read the *EMC*’s disclaimer at the end of this form.

#### **Who is eligible to apply for registration?**

You must be registered as a *market participant* before you are eligible to apply for registration of your facilities.

However, if you are only granted *conditional registration* as a *market participant*, you may also apply for registration of your facilities, but your facilities will not be registered unless you become registered as a *market participant* within the relevant conditional registration deadline.

#### **What are the types of generation facility registration?**

The three types of *generation facility* registration are:

- *Generation registered facility* (you need to complete a separate form for this type of registration)
- *Generation settlement facility* (you need to complete a separate form for this type of registration)
- *Commissioning generation facility*.

You should register your generation facility as a ***commissioning generation facility***:

- a) if the facility is required or intended to be registered as a *generation registered facility*; or
- b) if the facility is required or intended to be registered as a *generation settlement facility*, and is required to cause or permit any *physical service* to be conveyed into, through or out of the *transmission system*,

on a transitional basis for the purpose of permitting the facility to convey a *physical service* into, through or out of the *transmission system* or of participating in the *real-time markets* during the period in which it is undergoing the commissioning tests.

As a general rule, the registration of your generation facility as a commissioning generation facility shall expire on the earlier of (a) the expected completion date of the final commissioning test date specified in your commissioning test plans submitted to and approved by the PSO pursuant to section 5.3.4 of Chapter 2 of the market rules; or (b) upon the registration of the facility as a generation registered facility or generation settlement facility. However, if you wish to change the expected completion date of the final commissioning test for your facility, you must submit a request together with the revised commissioning test plan to the PSO no later than five business days before the expected completion date of the final commissioning test. The PSO will inform you of the outcome of your request no later than four business days following the PSO’s receipt of your request.

This application form is to be used for application for registration of a *commissioning generation facility* only. Subsequently, if you wish to proceed with the application of your facility as a *generation registered facility* or a *generation settlement facility*, you should use the Application form for Generation Facility Registration by a Market Participant.

**When will you know the outcome of your application?**

The *EMC* will notify you in writing of the outcome within 30 *business days* of the *EMC* being satisfied that your application meets all the requirements for *commissioning generation facility* registration under the *market rules*, the applicable *market manuals* and the *system operation manual*. If your application is declined, the notification will identify why this was the case. A duly and accurately completed form will expedite the *EMC*'s processing of your application.

**What should you do if you have more than one facility to register?**

Please fill in a separate form for **each** application for registration of a *commissioning generation facility*. You can download additional copies of the form from the *EMC*'s website at [www.emcsg.com](http://www.emcsg.com).

**Is there an application fee for your application to register your facility?**

There is no application fee payable for your application to register your facility.

## Summary of registration requirements for a commissioning generation facility

The key requirements in the process for the registration of a *commissioning generation facility* are outlined in the table below:

A	<p><b>Meet the EMC's requirements</b></p>	<p>You must ensure that</p> <ul style="list-style-type: none"> <li>• your facilities and equipment meet all applicable technical requirements set forth in the <i>market rules</i>, any applicable <i>market manuals</i> or the <i>system operation manual</i>; and</li> <li>• you are able to perform all the functions and obligations applicable to you under the <i>market rules</i>, the <i>market manuals</i> or the <i>system operation manual</i>.</li> </ul> <p>If you wish to subsequently register your facility as a <i>generation registered facility</i>, you shall identify your proposed <i>dispatch coordinator</i>. You cannot change your designated <i>dispatch coordinator</i> for your facility without the prior approval of the EMC.</p>
B	<p><b>Meet the PSO's requirements</b></p>	<p>You must complete the PSO's Data Form for Generation Facility Registration, meeting all the applicable technical requirements and attaching any required documents during submission.</p>
C	<p><b>Meet metering requirements</b></p>	<p>You must secure the <i>market support services licensee's</i> written confirmation to the EMC that the <i>market support services licensee</i> is ready to submit all relevant <i>settlement</i> data required under the <i>market rules</i> for your facility to the EMC.</p>
D	<p><b>Prepare and attach required documents</b></p>	<p>You must duly complete this application form in respect of your facility and provide all required supporting documents with your application, including the following:</p> <ul style="list-style-type: none"> <li>• A certified true copy of your duly executed <i>connection agreement</i> with the <i>transmission licensee</i> for your facility.</li> <li>• A certified true copy of your duly executed <i>market participant - market support services licensee</i> agreement with the <i>market support services licensee</i> for your facility, if required by the EMC.</li> <li>• An original duly completed and executed Certificate and Undertaking (substantially in the form and terms prescribed in <b>Appendix B</b> of this application form) for your facility.</li> <li>• An original duly completed PSO Data Form for Generation Facility Registration required by the PSO (as described in <b>Appendix C</b> of this application form) for your facility.</li> </ul>
E	<p><b>Standing Offer Data</b></p>	<p>If your facility is to be registered as a <i>generation registered facility</i> subsequently, you must comply with section D below. For the avoidance of doubt, if your facility is to be registered as a <i>generation settlement facility</i> subsequently, you are not required to comply with section D below.</p>
F	<p><b>Registration as a commissioning generation facility</b></p>	<p>Your facility will be registered as a <i>commissioning generation facility</i> if the EMC is satisfied that your facility meets all the requirements for such facility registration under the <i>market rules</i>, the applicable <i>market manuals</i> or the <i>system operation manual</i>. The EMC will notify you of the terms and conditions of the registration in an official notice to you. If your application is declined, the EMC will write to you stating the reasons.</p>

### **How can you obtain more information?**

In addition to this form and the *market rules*, you may obtain more information by contacting the EMC Market Administration Team by telephone at +65 6779 3000. Alternatively, you may visit the EMC's website at [www.emcsq.com](http://www.emcsq.com).

Please print clearly. Illegible writing or incomplete forms may delay the processing of your application.

**A. APPLICANT DETAILS**

Name of Applicant (in full): \_\_\_\_\_

Identification Number<sup>1</sup>: \_\_\_\_\_

Registered Address: \_\_\_\_\_

**B. REGULATORY DETAILS**

**1. Authorised activities relating to *electricity* under your *electricity licence(s)*:**

**Note:** You may check one or more of the following boxes indicating the type of activities authorised under your *electricity licence(s)*.

- generate *electricity*
- retail *electricity*
- transmit *electricity*
- transmit *electricity* for or on behalf of a *transmission licensee*
- import *electricity*
- export *electricity*
- trade in *wholesale electricity market*

*Electricity licence* number(s): \_\_\_\_\_

State activities exempted from licensing requirement: \_\_\_\_\_

Exemption order number(s): \_\_\_\_\_  
 \_\_\_\_\_

**2. What is the name-plate rating of the facility?**

- 1 MW or more but less than 10 MW       10 MW or more

**3. Please indicate the type of generation facility registration you will subsequently be applying for.**

- generation registered facility       generation settlement facility

**4. Derogation requested:**                       Yes                       No

**5. Wholesale Electricity *settlement account*:** \_\_\_\_\_

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<sup>1</sup> This refers to the Applicant's ACRA registration number, Unique Entity Number or NRIC number, as the case may be.

**C. FACILITY DETAILS**

6. **Name of the facility:** \_\_\_\_\_
7. **Name of owner of the facility:** \_\_\_\_\_
8. **Location of the facility:** \_\_\_\_\_  
 \_\_\_\_\_
9. **Meter ID number(s):** \_\_\_\_\_  
 (Please also complete **Appendix A** of this application form.)
10. **Dispatch coordinator for the facility:** \_\_\_\_\_  
 (This is only applicable if the facility is to be registered as a *generation registered facility* subsequently.)
11. **Contacts of the dispatch coordinator for the facility:**  
 (This is only applicable if the facility is to be registered as a *generation registered facility* subsequently.)

	<b>Main Contact</b>	<b>Alternate contact</b>
Full Name & Designation		
Business Contact Nos.		
Business Email Address		
Business Hand phone Nos.		
Business Fax Nos.		

12. **Physical service intended to be provided from the facility:**
- Energy*
- Reserve*  (Primary  Secondary  Contingency )
- Regulation*
13. **Expected start date of commissioning tests:** \_\_\_\_\_
- Expected completion date of final commissioning test:** \_\_\_\_\_
14. **Other authorisations/approvals granted by the Authority**  
 (For facilities other than *intermittent generation facilities*.)
- Approval for classification of your facility as an *embedded generation facility* for the purposes of net treatment on non-reserve charges:  Yes  No
  - (If the answer to the above is no, is such approval being sought?  Yes  No)
  - Approval for your facility to be assigned to an *EGF group* to be, or an *EGF group* which has been, granted *price neutralisation*:

Yes  No

(If the answer to the above is no, is such approval being sought?

Yes  No)

**15. Intermittent generation facilities**

(For registration of *commissioning generation facility* that is comprised of one or more *intermittent generation facilities*.)

▪ Is your facility comprised of one or more *intermittent generation facilities*?  Yes  No

(If yes, is your facility comprised only of *intermittent generation facilities*?  Yes  No)

▪ Is your facility comprised only of embedded *intermittent generation facilities*?  Yes  No

**D. STANDING OFFER DATA**

(This section is only applicable if your facility is to be registered as a *generation registered facility* subsequently.)

Please provide a *standing offer* for each *physical service* to be provided from your facility to be registered as a *commissioning generation facility*. Each such *standing offer* for your facility must be submitted to the EMC in the data format required by and in accordance with the EMC's Market Operations Market Manual on Standing Offers, Offer Variations and Standing Data (Chapter 6 Market Rules).

**E. GENERATION FACILITY REGISTRATION**

**(FOR SUBMISSION TO THE PSO)**

Please complete the *PSO Data Form* for Generation Facility Registration which is described in **Appendix C** of this application form. All relevant sections in the form must be duly completed. The duly completed form must be sent to the EMC together with all supporting documentation.

**F. CHECKLIST OF SUPPORTING DOCUMENTS REQUIRED**

You must attach the following documents to your application form:

- A certified true copy of your duly executed *connection agreement* with the *transmission licensee* for your facility.
- A certified true copy of your duly executed *market participant - market support services licensee* agreement with the *market support services licensee* for your facility, if required by the *EMC*.
- An original duly completed and executed Certificate and Undertaking (substantially in the form and terms prescribed in **Appendix B** of this application form) for your facility.
- An original duly completed *PSO Data Form* for Generation Facility Registration required by the *PSO* (as described in **Appendix C** of this application form) for your facility.

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**FOR EMC OFFICIAL USE**

1. Assigned MNN number(s) for this facility: \_\_\_\_\_

***INFORMATION PROVIDED BY THE MSSSL TO THE EMC***

2. Respective RQM (as defined by MSSSL) ID Number(s): \_\_\_\_\_

2.1. Location of the facility: \_\_\_\_\_

### G. COVENANT AND DECLARATION

We/I, the undersigned applicant, having read and fully understood the *market rules*, the terms of this application form, the applicable *market manuals*, the *system operation manual*, the *Electricity Act*, and any other applicable laws, codes, rules, procedures or policies that are relevant to or regulate the *wholesale electricity markets* (collectively the 'Regulations'), and/or having had the benefit of relevant independent advice, hereby apply to register our/my facility as a *commissioning generation facility* as stated in this application form.

We/I hereby agree to be bound by, and to comply with, all the Regulations which may be applicable to us/me, our/my registration application herein, our/my facility and our/my participation in the relevant *wholesale electricity markets*.

We/I further hereby declare that the information provided by us/me (or on our/my behalf) in or in connection with this registration application is true, complete and accurate and not misleading or omitting any material particular (to the best of our/my knowledge, information and belief after having carried out all necessary due diligence to determine the same) and hereby covenant to be subject to any sanctions, penalties or orders as may be imposed by the relevant authorities/parties under the Regulations, in the event that such information is found to be untrue, misleading or inaccurate in any material particular.

We/I hereby undertake to immediately notify the EMC of any change to any information provided in relation to our/my application for registration herein.

We/I further hereby covenant to be legally bound by the relevant dispute resolution provisions under the *market rules* and any applicable *market manual*, in the event that this registration application is denied and a dispute arises from such unsuccessful application.

We/I confirm and acknowledge that the information provided by us/me (or on our/my behalf) in or in connection with this registration application may need to be disclosed, communicated or exchanged by the EMC to or with other parties, including but not limited to the *Authority*, the *PSO* and a *market support services licensee*, as necessary, desirable or expedient for the purposes of processing this registration application under the Regulations and we/I hereby consent to such disclosure, communication or exchange.

Signed for and on behalf of \_\_\_\_\_  
(Name of Applicant)

Signature: \_\_\_\_\_

Name of officer: \_\_\_\_\_

Position/designation: \_\_\_\_\_

Date: \_\_\_\_\_

#### H. EMC'S DISCLAIMER

Energy Market Company Pte Ltd (“*EMC*”) has produced this publication for use in connection with the Singapore Electricity Market. This publication is not a substitute for and should not be read in lieu of the Singapore Electricity Market Rules or any other applicable laws, codes, rules, procedures, manuals or policies that are relevant to or regulate the Singapore Electricity Market or the electricity industry. The contents of this publication do not constitute legal or business advice and should not be relied upon as a substitute for obtaining such advice.

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Any modifications or amendments to this publication shall be made in accordance with the relevant provisions of the Singapore Electricity Market Rules.

# Generation Facility Registration

## Appendix A : Metering Details

S/No	Generation Facility Name	Meter Type (Main, Check or Auxiliary)	Meter Serial Number	Station Load Meter Name (Please show tagging, if any)	Station Load Meter Serial Number	Market Network Node (assigned by the EMC)
1						
2						
3						
4						

Note:

Please tag the station loads (if any) to the generation facility.

Appendix B

**SAMPLE CERTIFICATE AND UNDERTAKING**  
[To be set out on the applicant's letterhead.]

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**CERTIFICATE AND UNDERTAKING**

To: **Energy Market Company Pte Ltd**  
(hereinafter referred to as the "**EMC**")

We/I, [■state name of applicant], refer to our/my Application Form for Commissioning Generation Facility Registration by a Market Participant dated [■state date] for the registration of [■identify the relevant *generation facility* here] ("the Facility") as a *commissioning generation facility* under the *market rules* and the applicable *market manuals* of the *EMC* ("the Application").

Pursuant to the Application, we/I hereby confirm, certify and undertake to the *EMC* (with a view to the *EMC* relying upon our/my confirmations, certifications and undertakings herein in considering our/my Application) that:

- 1) we/I have (and we/I will continue to have through to, on and from the registration of the Facility by the *EMC*) operational control and authority over the Facility for the purposes of the *market rules*;
- 2) all our/my facilities and equipment to which the Application relates meet all applicable technical requirements under the *market rules*, the applicable *market manuals* and the *system operation manual*; and
- 3) we/I have adequate qualified personnel and organisational and other arrangements that are sufficient to enable us/me to perform all of our/my functions and obligations applicable to us/me as *market participants* under the *market rules*, the applicable *market manuals* and the *system operation manual*, including reliable services during normal and emergency situations, in respect of our/my participation in the *wholesale electricity market*.

Our/my confirmations, certifications and undertakings herein shall be governed by and construed in accordance with the laws of the Republic of Singapore. All italicised expressions used herein shall have the same meanings as respectively ascribed to them in the Singapore Electricity Market Rules of the *EMC*.

Signed for and on behalf of \_\_\_\_\_  
(Name of Applicant)

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

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\* Delete where inapplicable.

## Appendix C

### Power System Operator (PSO) Data Form for Generation Facility Registration

- The facility registration form is available for download from the EMA's website at [www.ema.gov.sg/NEMS\\_Activities.aspx](http://www.ema.gov.sg/NEMS_Activities.aspx).
- For registration of a generation facility which is required or intended to be registered as a *generation registered facility*, please use Appendix 3A of the form.
- For registration of a generation facility which is required or intended to be registered as a *generation settlement facility*, please use Appendix 3C of the form.
- For registration of an intermittent generation facility (PV), please use Appendix 3D of the form.
- Please note that the form may be amended, updated or replaced from time to time and you should ensure that you obtain and use the most up-to-date version available at the above website at the time of your application.