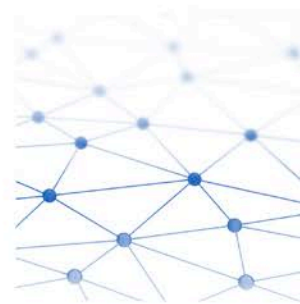


MARKET ADMINISTRATION MARKET MANUAL (Part 5 of 5)

REGISTRATION AND AUTHORISATION

This market manual contains the following application form –

- Application form for Generation Facility Registration by a Market Support Services Licensee



Application form for Generation Facility Registration by a Market Support Services Licensee

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?

A *market support services licensee* that intends to participate in the *real-time markets* or to cause or permit a *physical service* to be conveyed into, through or out of the *transmission system* from one or more *generation facilities*, may register such *generation facilities* as a *generation settlement facility*.

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*.

If you are a *market support services licensee*, you must complete and submit this form to apply to have a *generation settlement facility* registered by the *EMC* if you wish to participate in the *real-time markets* and/or cause or permit any *physical service* to be conveyed into, through or out of the *transmission system* from one or more *generation facilities*.

If you are not a *market support services licensee*, please refer to the other applicable *market manuals* in respect of your facility registration.

Why did EMC develop this form?

The *EMC* has developed this form for a *market support services licensee* to apply for registration of embedded *intermittent generation facilities* (as referred to in section 5.4A.3.1 of Chapter 2 of the *market rules*), or one or more embedded *generation facilities* (as referred to in section 5.4A.3A.2 of Chapter 2 of the *market rules*), that are not *intermittent generation facilities*, as a *generation settlement facility* as 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 a *market support services licensee* and be authorised by the *EMC* to provide other services related to access to any *wholesale electricity market* before you are eligible to apply for registration of a *generation settlement facility*.

What are the types of generation facility registration that may be sought by a Market Support Services Licensee?

This application form is to be used only by a *market support services licensee* for application for registration of one or more *generation facilities* as a *generation settlement facility*. A *generation settlement facility* is registered for the delivery of *energy* only and is not subject to *dispatch* by the *PSO*.

There are two types of *generation settlement facility* registration that a *MSSL* can apply for:

- registration of one or more embedded *intermittent generation facilities* (as referred to in section 5.4A.3.1 of Chapter 2 of the *market rules*) as a *generation settlement facility*; and
- registration of one or more embedded *generation facilities* (as referred to in section 5.4A.3A.2 of Chapter 2 of the *market rules*), that are not *intermittent generation facilities*, as a *generation settlement facility*.

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 *generation settlement 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 *generation settlement facility*. You can download additional copies of the form from the *EMC* website at www.emcsg.com.

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

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

Summary of requirements for registration of one or more *intermittent generation facilities* as a *generation settlement facility*

The key requirements are outlined in the table below:

<p>A Meet the EMC's requirements</p>	<p>You must ensure that:</p> <ul style="list-style-type: none"> the <i>generation settlement facility</i> to be registered shall be comprised only of embedded <i>intermittent generation facilities</i> (as referred to in section 5.4A.3.1 of Chapter 2 of the <i>market rules</i>); every <i>intermittent generation facility</i> as may from time to time be comprised in such <i>generation settlement facility</i> is for the purpose of <i>supplying electricity</i> to a contestable <i>consumer</i>; such <i>generation settlement facility</i> shall not be comprised of any <i>intermittent generation facility</i> directly or indirectly <i>connected</i> to a given substation of the <i>transmission licensee</i> (if any) for the purposes of <i>supplying electricity</i> to a given contestable <i>consumer</i>, if such <i>intermittent generation facility</i> together with all other <i>intermittent generation facilities</i> directly or indirectly <i>connected</i> to that given substation for the purposes of <i>supplying electricity</i> to that given contestable <i>consumer</i>, have an aggregate name-plate rating of 10 MW or more; and a <i>connection agreement</i> has been entered into (and remains in full force and effect) in respect of each <i>intermittent generation facility</i> as may from time to time be comprised in such <i>generation settlement facility</i>. <p>In addition, if it is intended for the <i>EGF group</i>, to which such <i>generation settlement facility</i> is assigned, to be granted <i>net AFP treatment</i>, you must also ensure that:</p> <ul style="list-style-type: none"> every <i>intermittent generation facility</i> as may from time to time be comprised in such <i>generation settlement facility</i> is for the purpose of <i>supplying electricity</i> to <i>residential premises</i>; and such <i>generation settlement facility</i> shall not be comprised of any <i>intermittent generation facility</i> directly or indirectly <i>connected</i> to a given substation of the <i>transmission licensee</i> (if any) for the purposes of <i>supplying electricity</i> to a given contestable <i>consumer</i>, if such <i>intermittent generation facility</i> together with all other <i>intermittent generation facilities</i> directly or indirectly <i>connected</i> to that given substation for the purposes of <i>supplying electricity</i> to that given contestable <i>consumer</i>, have an aggregate name-plate rating of 1 MW or more.
<p>B Prepare and attach required documents</p>	<p>You must duly complete this application form in respect of the facility to be registered and provide all required supporting documents with your application, including the following:</p> <ul style="list-style-type: none"> An original duly completed and executed Certificate and Undertaking (substantially in the form and terms prescribed in Appendix A.1 or A.2 of this application form, as applicable) for the facility. An original duly completed Data Form for Pseudo Generation Settlement Facility Registration (as set out in Appendix B of this application form) for the facility.
<p>C Registration as a generation settlement facility</p>	<p>The facility will be registered as a <i>generation settlement facility</i> if the <i>EMC</i> is satisfied that the 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 <i>EMC</i> will notify you of the terms and conditions of the registration in an official notice to you. If your application is declined, the <i>EMC</i> will write to you stating the reasons.</p>

Summary of requirements for registration of one or more *generation facilities*, that are not *intermittent generation facilities*, as a *generation settlement facility*

The key requirements are outlined in the table below:

<p>A Meet the <i>EMC</i>'s requirements</p>	<p>You must ensure that:</p> <ul style="list-style-type: none"> • the <i>generation settlement facility</i> to be registered shall be comprised only of <i>generation facilities</i> that are not <i>intermittent generation facilities</i>; • such <i>generation settlement facility</i> shall be comprised only of <i>generation facilities</i> which are embedded <i>generation facilities</i> (as referred to in section 5.4A.3A.2 of Chapter 2 of the <i>market rules</i>); • every <i>generation facility</i> as may from time to time be comprised in such <i>generation settlement facility</i> is for the purpose of <i>supplying electricity</i> to a contestable consumer; • such <i>generation settlement facility</i> shall not be comprised of any <i>generation facility</i>, which together with all other <i>generation facilities</i> that are not <i>intermittent generation facilities</i> at the same <i>generating station</i> (if any), have an aggregate name-plate rating of 10 MW or more; and • a <i>connection agreement</i> has been entered into (and remains in full force and effect) in respect of each <i>generation facility</i> as may from time to time be comprised in such <i>generation settlement facility</i>.
<p>B Prepare and attach required documents</p>	<p>You must duly complete this application form in respect of the facility to be registered and provide all required supporting documents with your application, including the following:</p> <ul style="list-style-type: none"> • An original duly completed and executed Certificate and Undertaking (substantially in the form and terms prescribed in Appendix A.3 of this application form) for the facility. • An original duly completed Data Form for Pseudo Generation Settlement Facility Registration (as set out in Appendix B of this application form) for the facility.
<p>C Registration as a <i>generation settlement facility</i></p>	<p>The facility will be registered as a <i>generation settlement facility</i> if the <i>EMC</i> is satisfied that the 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 <i>EMC</i> will notify you of the terms and conditions of the registration in an official notice to you. If your application is declined, the <i>EMC</i> 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* website at www.emcsg.com.

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

A. APPLICANT DETAILS

Name of Applicant (in full): _____

Company registration number: _____

Registered Address: _____

B. REGULATORY DETAILS

1. Do you hold any *electricity licence* that permits you to engage in and provide *market support services*? Yes No

2. Which *market support services* pertaining to the *wholesale electricity markets* are you permitted to engaged in and provide under your *electricity licence(s)*?

- supply and sale of electricity to non-contestable consumers*
- facilitating access to any wholesale electricity market for obtaining supply of electricity for contestable consumers and retail electricity licensees*
- providing other services related to access to any wholesale electricity market*
(please provide details: _____)

Electricity licence number(s): _____

3. What type of facility are you applying to register?

- intermittent generation facilities as a generation settlement facility*
- generation facilities, that are not intermittent generation facilities, as a generation settlement facility*

4. Derogation requested: Yes No

5. Wholesale Electricity settlement account: _____

C. FACILITY DETAILS

6. Name of the facility: _____

Questions 7 to 12 are applicable only to the registration of *intermittent generation facilities as a generation settlement facility*

7. Is the *generation settlement facility* comprised only of embedded *intermittent generation facilities* (as referred to in section 5.4A.3.1 of Chapter 2 of the *market rules*)? Yes No

8. Is every *intermittent generation facility* comprised in such *generation settlement facility* for the purpose of *supplying electricity to a contestable consumer*? Yes No

9. Is such **generation settlement facility** comprised of any **intermittent generation facility** directly or indirectly **connected** to a given substation of the **transmission licensee** (if any) for the purposes of **supplying electricity** to a given **contestable consumer**, which together with all other **intermittent generation facilities** directly or indirectly **connected** to that given substation for the purposes of **supplying electricity** to that given **contestable consumer**, have an aggregate name-plate rating of 10 MW or more?

Yes No

10. Has a **connection agreement** been entered into and does it remain in full force and effect in respect of each **intermittent generation facility** which is comprised in such **generation settlement facility**?

Yes No

11. Is every **intermittent generation facility** which is comprised in such **generation settlement facility** installed for the purpose of **supplying electricity to residential premises**?

Yes No

[If the answer to the above is no, please complete and execute the Certificate and Undertaking substantively in the form and terms prescribed in Appendix A.1. If the answer to the above is yes, please go to Q12]

12. Is such **generation settlement facility** comprised of any **intermittent generation facility** directly or indirectly **connected** to a given substation of the **transmission licensee** (if any) for the purposes of **supplying electricity** to a given **contestable consumer**, which together with all other **intermittent generation facilities** directly or indirectly **connected** to that given substation for the purposes of **supplying electricity** to that given **contestable consumer**, have an aggregate name-plate rating of 1 MW or more?

Yes No

[If the answer to the above is yes, please complete and execute the Certificate and Undertaking substantively in the form and terms prescribed in Appendix A.1.

If the answer to the above is no, please complete and execute the Certificate and Undertaking substantively in the form and terms prescribed in Appendix A.2.]

Questions 13 to 17 are applicable only to the registration of **generation facilities**, that are not **intermittent generation facilities**, as a **generation settlement facility**

13. Is the **generation settlement facility** comprised only of **generation facilities** that are not **intermittent generation facilities**?

Yes No

14. Is the **generation settlement facility** comprised only of **generation facilities** which are embedded **generation facilities** (as referred to in section 5.4A.3A.2 of Chapter 2 of the **market rules**)?

Yes No

15. Is every **generation facility** which is comprised in the **generation settlement facility** for the purpose of **supplying electricity** to a **contestable consumer**?

Yes No

16. Is such **generation settlement facility** comprised of any **generation facility**, which together with all other **generation facilities** that are not **intermittent generation facilities** at the same **generating station** (if any), have an aggregate name-plate rating of 10 MW or more?

Yes No

17. Has a **connection agreement** been entered into, and does it remain in full force and effect, in respect of each such **generation facility** which is comprised in such **generation settlement facility**?

Yes No

[Please complete and execute the Certificate and Undertaking substantively in the form and terms prescribed in Appendix A.3.]

D. CHECKLIST OF SUPPORTING DOCUMENTS REQUIRED

You must attach the following documents to your application form:

- An original duly completed and executed Certificate and Undertaking (substantially in the form and terms prescribed in **Appendix A.1, A.2 or A.3**, as applicable, of this application form) for the above facility.
- An original duly completed Data Form for Pseudo Generation Settlement Facility Registration (as set out in **Appendix B** of this application form) for the above facility.

=====

FOR EMC OFFICIAL USE

Assigned *MNN* number for this facility: _____

E. COVENANT AND DECLARATION

We, 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 the above facility as a *generation settlement facility* as stated in this application form.

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

We further hereby declare that the information provided by us (or on our 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 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 hereby undertake to immediately notify the *EMC* of any change to any information provided in relation to the application for registration herein.

We 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 confirm and acknowledge that the information provided by us (or on our 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 other *market support services licensees*, as necessary, desirable or expedient for the purposes of processing this registration application under the Regulations and we hereby consent to such disclosure, communication or exchange.

Signed for and on behalf of _____ (Name of Applicant)

Signature: _____

Name of officer: _____

Position/designation: _____

Date: _____

F. 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.

EMC, its directors and employees, subsidiaries, associates and affiliates make no representations, endorsements or warranties of any kind whatsoever in relation to the contents of this publication, and in no event shall *EMC*, its directors and employees, subsidiaries, associates and affiliates be liable to any party for any damages, claims, expenses or losses of any kind arising from or in connection with any use of or reliance on the accuracy, availability, currency, title, non-infringement, quality, reliability, suitability and completeness of the contents of this publication.

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

APPENDIX A.1

For registration of *intermittent generation facilities* as a *generation settlement facility*

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

CERTIFICATE AND UNDERTAKING

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

We, [state name of applicant], refer to our Application Form for Generation Facility Registration by a Market Support Services Licensee dated [state date] for the registration of [identify the relevant *intermittent generation facility* here] ("the Facility") as a *generation settlement facility* under the *market rules* and the applicable *market manuals* of the *EMC* ("our Application").

Pursuant to our Application, we hereby represent, warrant and undertake (as continuing representations, warranties and undertakings) to the *EMC* (with a view to the *EMC* relying upon our continuing representations, warranties and undertakings herein in considering our Application and, if the Facility is approved to be and is registered by the *EMC*, in continuing to maintain such registration) that, at all times:

- 1) the Facility shall be comprised only of embedded *intermittent generation facilities* (as referred to in section 5.4A.3.1 of Chapter 2 of the *market rules*);
- 2) every *intermittent generation facility* as may from time to time be comprised in the Facility is for the purpose of *supplying electricity* to a contestable consumer;
- 3) the Facility shall not be comprised of any *intermittent generation facility* directly or indirectly connected to a given substation of the *transmission licensee* (if any) for the purposes of *supplying electricity* to a given contestable consumer, if such *intermittent generation facility* together with all other *intermittent generation facilities* directly or indirectly connected to that given substation for the purposes of *supplying electricity* to that given contestable consumer, have an aggregate name-plate rating of 10 MW or more; and
- 4) a *connection agreement* has been entered into (and remains in full force and effect) in respect of each *intermittent generation facility* as may from time to time be comprised in the Facility.

We further undertake to immediately notify the *EMC* if any of our above representations and warranties ceases to be true, accurate or complete in any respect, or if we cease to be in full compliance with all of our above undertakings.

Our representations, warranties and undertakings herein shall be governed by and construed in accordance with the laws of the Republic of Singapore. Save as otherwise herein defined, 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: _____

APPENDIX A.2

For registration of *intermittent generation facilities* as a *generation settlement facility* that is to be granted *net AFP treatment*

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

CERTIFICATE AND UNDERTAKING

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

We, [state name of applicant], refer to our Application Form for Generation Facility Registration by a Market Support Services Licensee dated [state date] for the registration of [identify the relevant *intermittent generation facility* here] ("the Facility") as a *generation settlement facility* under the *market rules* and the applicable *market manuals* of the *EMC* ("our Application").

Pursuant to our Application, we hereby represent, warrant and undertake (as continuing representations, warranties and undertakings) to the *EMC* (with a view to the *EMC* relying upon our continuing representations, warranties and undertakings herein in considering our Application and, if the Facility is approved to be and is registered by the *EMC*, in continuing to maintain such registration) that, at all times:

- 1) the Facility shall be comprised only of embedded *intermittent generation facilities* (as referred to in section 5.4A.3.1 of Chapter 2 of the *market rules*);
- 2) every *intermittent generation facility* as may from time to time be comprised in the Facility is for the purpose of *supplying electricity* to a contestable consumer;
- 3) the Facility shall not be comprised of any *intermittent generation facility* directly or indirectly connected to a given substation of the *transmission licensee* (if any) for the purposes of *supplying electricity* to a given contestable consumer, if such *intermittent generation facility* together with all other *intermittent generation facilities* directly or indirectly connected to that given substation for the purposes of *supplying electricity* to that given contestable consumer, have an aggregate name-plate rating of 1 MW or more;
- 4) a *connection agreement* has been entered into (and remains in full force and effect) in respect of each *intermittent generation facility* as may from time to time be comprised in the Facility; and
- 5) every *intermittent generation facility* as may from time to time be comprised in the Facility is for the purpose of *supplying electricity* to residential premises.

We further undertake to immediately notify the *EMC* if any of our above representations and warranties ceases to be true, accurate or complete in any respect, or if we cease to be in full compliance with all of our above undertakings.

Our representations, warranties and undertakings herein shall be governed by and construed in accordance with the laws of the Republic of Singapore. Save as otherwise herein defined, 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: _____

APPENDIX A.3

For registration of one or more *generation facilities*, that are not *intermittent generation facilities*, as a *generation settlement facility*

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

CERTIFICATE AND UNDERTAKING

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

We, [state name of applicant], refer to our Application Form for Generation Facility Registration by a Market Support Services Licensee dated [state date] for the registration of [identify the relevant *generation facility* here] ("the Facility") as a *generation settlement facility* under the *market rules* and the applicable *market manuals* of the *EMC* ("our Application").

Pursuant to our Application, we hereby represent, warrant and undertake (as continuing representations, warranties and undertakings) to the *EMC* (with a view to the *EMC* relying upon our continuing representations, warranties and undertakings herein in considering our Application and, if the Facility is approved to be and is registered by the *EMC*, in continuing to maintain such registration) that, at all times:

- 1) the Facility shall be comprised only of *generation facilities* that are not *intermittent generation facilities*;
- 2) the Facility shall be comprised only of *generation facilities* which are embedded *generation facilities* (as referred to in section 5.4A.3A.2 of Chapter 2 of the *market rules*);
- 3) every *generation facility* as may from time to time be comprised in the Facility is for the purpose of *supplying electricity* to a contestable consumer;
- 4) the Facility shall not be comprised of any *generation facility*, which together with all other *generation facilities* that are not *intermittent generation facilities* at the same *generating station* (if any), have an aggregate name-plate rating of 10 MW or more; and
- 5) a *connection agreement* has been entered into (and remains in full force and effect) in respect of each *generation facility* as may from time to time be comprised in the Facility.

We further undertake to immediately notify the *EMC* if any of our above representations and warranties ceases to be true, accurate or complete in any respect, or if we cease to be in full compliance with all of our above undertakings.

Our representations, warranties and undertakings herein shall be governed by and construed in accordance with the laws of the Republic of Singapore. Save as otherwise herein defined, 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: _____

APPENDIX B

**Data Form for
Pseudo Generation Settlement
Facility Registration**

PSEUDO GENERATION SETTLEMENT FACILITY STANDING CAPABILITY DATA	
To be completed by Market Support Services Licensee	
Description of Data Submission (New / Revised / Removed):	
Name of Generation Facility:	
Aggregate Maximum Generation Capacity:	MW
To be completed by EMC Market Operations	
Name: B1-B2-B3	