

Rule modification title	Registration of Pseudo Generation Settlement Facilities by Aggregating Standalone Intermittent Generation Sources for Market Participants
Submitted By: Date:	Energy Market Authority 27 October 2021
Rules Version/ Chapter/ Section	<p><u>Market Rules</u> (Version 1 April 2021):</p> <ul style="list-style-type: none"> • Chapter 2 sections 1.2, 5.1, 5.1A, 5.4C, 5.6 and 8.3 • Chapter 8 <p><u>Market Manual</u>:</p> <ul style="list-style-type: none"> • Application form for Pseudo Generation Settlement Facility Registration by a Market Participant (NEW)
Description of Market Rules	Please refer to Annex 1 for the proposed modifications to the market rules, and Annex 2 for the proposed modifications to the market manual.
Reasons for amendment	The proposed modifications to the market rules and market manual are to give effect to the EMA's final determination paper on "Registration of Pseudo Generation Settlement Facilities by Aggregating Standalone Intermittent Generation Sources for Market Participants" dated 27 October 2021, where market participants are allowed to aggregate multiple standalone intermittent generation sources (IGS) and register them as pseudo generation settlement facilities (GSF).
Impact of proposed amendment on MP, MO, PSO and general public	<p>Multiple standalone IGSs that are individually less than 10MWac are allowed to be aggregated and registered as a single pseudo GSF with the EMC.</p> <p>Each pseudo GSF will be paid at the prevailing half-hourly volume-weighted average market energy price and be subject to regulation reserves charges. All technical requirements (e.g., Metering Code, Transmission Code, licensing, etc.) for each IGS installation shall remain.</p>
EMC's Comments	<p>The proposed modifications are made pursuant to the EMA's directive made under Section 46(2)(b) of the Electricity Act.</p> <p>The EMA approved the proposed modifications on 9 December 2021, and the proposed modifications will take effect on 13 December 2021.</p>

Annex 1

Proposed Modifications to the Market Rules

Annex 1 - Proposed Modifications to the Market Rules

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
Chapter 2 - Participation	Chapter 2 - Participation	
1 INTRODUCTION	1 INTRODUCTION	
1.2 <u>MARKET PARTICIPANT REGISTRATION AND MARKET SUPPORT SERVICES LICENSEE AUTHORISATION</u>	1.2 <u>MARKET PARTICIPANT REGISTRATION AND MARKET SUPPORT SERVICES LICENSEE AUTHORISATION</u>	
<p>1.2.1 No person, other than a <i>market support services licensee</i>, shall participate in the <i>wholesale electricity markets</i> or cause or permit any <i>physical service</i> to be conveyed into, through or out of the <i>transmission system</i> unless:</p> <p>...</p> <p>1.2.1.2 subject to sections 5.1.2 to 5.1.9, the facility to or from which the <i>physical service</i> is to be so conveyed has been registered by the <i>EMC</i> as a <i>registered facility</i>, as a <i>commissioning generation facility</i>, as a <i>generation</i></p>	<p>1.2.1 No person, other than a <i>market support services licensee</i>, shall participate in the <i>wholesale electricity markets</i> or cause or permit any <i>physical service</i> to be conveyed into, through or out of the <i>transmission system</i> unless:</p> <p>...</p> <p>1.2.1.2 subject to sections 5.1.2 to 5.1.9<u>A</u>, the facility to or from which the <i>physical service</i> is to be so conveyed has been registered by the <i>EMC</i> as a <i>registered facility</i>, as a <i>commissioning generation facility</i>, as a <i>generation settlement facility</i>, or as a <i>non-exporting embedded intermittent generation facility</i> pursuant to section 5.2, 5.3, 5.4-or, 5.4B <u>or 5.4C</u>, as the case may be.</p>	Consequential change

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
<p><i>settlement facility, or as a non-exporting embedded intermittent generation facility pursuant to section 5.2, 5.3, 5.4 or 5.4B, as the case may be.</i></p>		
5 FACILITIES REGISTRATION	5 FACILITIES REGISTRATION	
5.1 <u>REQUIREMENT FOR REGISTRATION</u>	5.1 <u>REQUIREMENT FOR REGISTRATION</u>	
<p>5.1.1 No person, other than a <i>market support services licensee</i>, shall participate in the <i>real-time markets</i> or cause or permit any <i>physical service</i> to be conveyed into, through or out of the <i>transmission system</i> unless:</p> <p>...</p> <p>5.1.1.2 subject to sections 5.1.2 to 5.1.9, the facility to or from which the <i>physical service</i> is to be so conveyed has been registered by the <i>EMC</i> as a <i>registered facility</i>, as a <i>commissioning generation facility</i>, as a <i>generation</i></p>	<p>5.1.1 No person, other than a <i>market support services licensee</i>, shall participate in the <i>real-time markets</i> or cause or permit any <i>physical service</i> to be conveyed into, through or out of the <i>transmission system</i> unless:</p> <p>...</p> <p>5.1.1.2 subject to sections 5.1.2 to 5.1.9<u>A</u>, the facility to or from which the <i>physical service</i> is to be so conveyed has been registered by the <i>EMC</i> as a <i>registered facility</i>, as a <i>commissioning generation facility</i>, as a <i>generation settlement facility</i> or as a <i>non-exporting embedded intermittent generation facility</i> pursuant to section 5.2, 5.3, 5.4-or, 5.4B <u>or 5.4C</u>, as the case may be.</p>	<p>Consequential change</p>

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
<p><i>settlement facility</i> or as a <i>non-exporting embedded intermittent generation facility</i> pursuant to section 5.2, 5.3, 5.4 or 5.4B, as the case may be.</p>		
<p>5.1.7 A person that intends to participate in the <i>real-time markets</i> or cause or permit a <i>physical service</i> to be conveyed into, through or out of the <i>transmission system</i> from one or more <i>intermittent generation facilities</i> shall register such <i>intermittent generation facilities</i> as one or more <i>generation settlement facilities</i>, unless such registration requirements are waived by the <i>Authority</i>, not required pursuant to section 5.1.3, or if section 5.1.9 or 5.1.10 applies.</p>	<p>5.1.7 A person that intends to participate in the <i>real-time markets</i> or cause or permit a <i>physical service</i> to be conveyed into, through or out of the <i>transmission system</i> from one or more <i>intermittent generation facilities</i> shall register such <i>intermittent generation facilities</i> as one or more <i>generation settlement facilities</i>, unless such registration requirements are waived by the <i>Authority</i>, not required pursuant to section 5.1.3, or if section 5.1.9, <u>5.1.9A</u> or 5.1.10 applies.</p>	<p>Consequential change</p>
<p>[New Section]</p>	<p><u>5.1.9A A person that intends to participate in the <i>real-time markets</i> or cause or permit a <i>physical service</i> to be conveyed into, through or out of the <i>transmission system</i> from one or more <i>intermittent generation facilities</i> that are not embedded <i>intermittent generation facilities</i> having individual name-plate rating of less than 10 MW may register such <i>generation facilities</i> as a <i>generation settlement facility</i> pursuant to section 5.4C.</u></p>	<p>To allow multiple standalone intermittent generation facilities that are individually less than 10 MW to be registered as a pseudo</p>

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
		generation settlement facility
5.1A <u>REGISTRATION PROCESS</u>	5.1A <u>REGISTRATION PROCESS</u>	
5.1A.1 Each applicable <i>market participant</i> shall apply for: ... [New section] ... as the case may be, and in accordance with the process described in the applicable <i>market manual</i> .	5.1A.1 Each applicable <i>market participant</i> shall apply for: ... <u>5.1A.1.2A the registration of its facility as a <i>generation settlement facility</i> in accordance with section 5.4C;</u> ... as the case may be, and in accordance with the process described in the applicable <i>market manual</i> .	Consequential change
[New Section]	5.4C <u>REGISTRATION OF PSEUDO GENERATION SETTLEMENT FACILITIES BY MARKET PARTICIPANTS</u>	To set out the registration requirements of pseudo generation settlement facilities by market participants
[New Section]	<u>5.4C.1 The process referred to in section 5.1A.1.2A shall include the obligation to provide the relevant representations, warranties and undertakings referred to in section 5.4C.3.2, the certifications referred to in sections 5.4C.3.6 and 5.4C.3.7 and the testing and inspection obligations referred to in section 5.4C.3.8.</u>	

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
[New Section]	<u>5.4C.2 A market participant may apply to register one or more facilities as a generation settlement facility in accordance with this section 5.4C for the delivery of energy only.</u>	
[New Section]	<p><u>5.4C.3 The EMC shall register one or more intermittent generation facilities as a generation settlement facility in accordance with this section 5.4C if:</u></p> <p><u>5.4C.3.1 the applying market participant submits the registration information required by this section 5.4C;</u></p> <p><u>5.4C.3.2 the applying market participant represents, warrants and undertakes (as continuing representations, warranties and undertakings) to the EMC in writing that, at all times:</u></p> <p><u>a. such generation settlement facility shall be comprised only of intermittent generation facilities that are not embedded intermittent generation facilities;</u></p> <div data-bbox="1010 962 1704 1307" style="border: 1px solid black; padding: 5px;"> <p><u>Explanatory Note: For the purposes of this section 5.4C.3.2.a, intermittent generation facilities are embedded intermittent generation facilities only if they meet the eligibility conditions for embedded intermittent generation sources as specified in the Authority’s Clarification Paper on Enhancements to the Regulatory Framework for Intermittent Generation Sources in the National Electricity Market of Singapore dated 24 February 2015.</u></p> </div>	

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
	<p><u>b. every intermittent generation facility as may from time to time be comprised in such generation settlement facility is directly connected to a generating station;</u></p> <p><u>c. such generation settlement facility shall not be comprised of any intermittent generation facility having a name-plate rating of 10 MW or more; and</u></p> <p><u>d. every intermittent generation facility as may from time to time be comprised in such generation settlement facility meets the connection-related requirements and the metering-related requirements set forth or referred to in Chapter 4;</u></p> <p><u>5.4C.3.3 the PSO, upon referral of the application for registration by the EMC, advises the EMC that the facility for which registration is sought poses no threat to the reliability or security of the PSO controlled system;</u></p> <p><u>5.4C.3.4 the EMC is satisfied on reasonable grounds that the applying market participant has operational control and authority over the generation settlement facility;</u></p> <p><u>5.4C.3.5 the EMC is satisfied on reasonable grounds that the facility is capable of operating as described in the registration information or as otherwise provided by the market rules, any applicable market manual or the system operation manual;</u></p> <p><u>5.4C.3.6 the applying market participant certifies (as continuing certifications) to the EMC in writing that, at all times, all of the facilities and equipment to which its</u></p>	

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
	<p><u>application for registration relates comply with all applicable technical requirements, other than those referred to in section 8.2, set forth in these <i>market rules</i>, any applicable <i>market manual</i> or the <i>system operation manual</i> applicable to all <i>market participants</i>, the class of <i>market participant</i> of which the <i>applying market participant</i> forms part and the <i>wholesale electricity market</i> in which the <i>applying market participant</i> wishes to participate;</u></p> <p><u>5.4C.3.7 the <i>applying market participant</i> certifies (as continuing certifications) to the <i>EMC</i> in writing that, at all times, it has adequate qualified employees or other personnel and organisational and other arrangements that are sufficient to enable the <i>applying market participant</i> to perform all of the functions and obligations applicable to <i>market participants</i> under these <i>market rules</i>, any applicable <i>market manual</i> or the <i>system operation manual</i>, the class of <i>market participant</i> of which the <i>applying market participant</i> forms part and the <i>wholesale electricity market</i> in which the <i>applying market participant</i> wishes to participate in respect of all of the facilities and equipment to which its application for registration relates; and</u></p> <p><u>5.4C.3.8 the <i>applying market participant</i> successfully completes such testing and permits such inspection as the <i>EMC</i> may reasonably require for the purposes of testing or inspecting whether all of the facilities and equipment to which its application for registration relates meet all</u></p>	

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	<p><u>applicable technical requirements, other than those referred to in section 8.2, set forth in these <i>market rules</i>, any applicable <i>market manual</i> or the <i>system operation manual</i> applicable to all <i>market participants</i>, the class of <i>market participant</i> of which the applying <i>market participant</i> forms part and the <i>wholesale electricity market</i> in which the applying <i>market participant</i> wishes to participate.</u></p>	
[New Section]	<p><u>5.4C.4 The information required for registration as a <i>generation settlement facility</i> in accordance with this section 5.4C shall, subject to any lesser information requirements that may be specified in the applicable <i>market manual</i> in respect of the registration of a given class or size of facility, include:</u></p> <p><u>5.4C.4.1 the identity of the owner and the operator of the facility;</u> <u>and</u> <u>5.4C.4.2 such data as may be required by the <i>PSO</i> so as to satisfy the <i>PSO</i> that the operation of the facility will not have an unacceptable impact on the <i>reliability</i> or <i>security</i> of the <i>PSO controlled system</i>.</u></p>	
[New Section]	<p><u>5.4C.5 The applying <i>market participant</i> shall provide the <i>PSO</i> with such additional technical information associated with any such application for registration as the <i>PSO</i> may request for the purpose of the fulfilment by the <i>PSO</i> of its obligations under these <i>market rules</i>. The applying <i>market participant</i> shall provide the applicable <i>market support services licensee</i> with such metering-related information contained in or associated with any such application for registration as the <i>market support</i></u></p>	

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	<p><u>services licensee may request for the purpose of the fulfilment by the market support services licensee of its obligations under these market rules or the metering code.</u></p>	
[New Section]	<p><u>5.4C.6 A generation settlement facility that is registered pursuant to this section 5.4C shall be classified by the EMC as a pseudo generation settlement facility.</u></p>	
[New Section]	<p><u>5.4C.7 A market participant may, at any time and from time to time, apply to the market support services licensee to add or remove one or more intermittent generation facilities to or from a generation settlement facility that is registered in accordance with this section 5.4C. The market support services licensee shall add or remove such intermittent generation facilities to or from the generation settlement facility provided that:</u></p> <p><u>5.4C.7.1 for additions or removals of an intermittent generation facility with name-plate rating of more than 1MW, the market participant submits the approved standing capability data of that intermittent generation facility by the PSO to the market support services licensee; and</u></p> <p><u>5.4C.7.2 the market support services licensee is satisfied that such addition or removal will not have an unacceptable impact on the fulfilment by the market support services licensee of its obligations under the market rules or the metering code.</u></p> <p><u>The market participant shall ensure that all of its representations and warranties as set out in section 5.4C.3.2 remain true, accurate and complete, and that it continues to be in full compliance with</u></p>	

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
	<p><u>all its undertakings as set out in section 5.4C.3.2, in respect to such <i>generation settlement facility</i> and all <i>intermittent generation facilities</i> for the time being comprised therein consequent to such addition or removal. For the purposes of sections 5.1.9A and 5.4C, an <i>intermittent generation facility</i> shall:</u></p> <p><u>5.4C.7.3 upon its addition by the <i>market support services licensee</i> to such <i>generation settlement facility</i>, be deemed to be comprised in and duly registered as a part of such <i>generation settlement facility</i>; and</u></p> <p><u>5.4C.7.4 upon its removal by the <i>market support services licensee</i> from such <i>generation settlement facility</i>, be deemed to cease being comprised in and duly registered as a part of such <i>generation settlement facility</i>.</u></p>	
[New Section]	<p><u>5.4C.8 The <i>market participant</i> shall notify the <i>EMC</i> and the <i>PSO</i> in writing in respect of such additions and removals made pursuant to section 5.4C.7, and provide the <i>EMC</i> and the <i>PSO</i> with the latest maximum <i>generation capacity</i> of such <i>generation settlement facility</i> in a timely manner.</u></p>	
<p>5.6 PUBLICATION OF FACILITY DATA</p>	<p>5.6 PUBLICATION OF FACILITY DATA</p>	
<p>5.6.2 The list referred to in section 5.6.1 shall contain the following information most currently available to the <i>EMC</i> in respect of each <i>generation facility</i> registered</p>	<p>5.6.2 The list referred to in section 5.6.1 shall contain the following information most currently available to the <i>EMC</i> in respect of each <i>generation facility</i> registered with the <i>EMC</i> under sections 5.2, 5.3, 5.4 and 5.4A and 5.4C:</p> <p>...</p>	<p>Consequential Change</p>

Existing Market Rules (1 April 2021)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
with the <i>EMC</i> under sections 5.2, 5.3, 5.4 and 5.4A: ...		
8 TECHNICAL REQUIREMENTS	8 TECHNICAL REQUIREMENTS	
8.3 <u>CERTIFICATION, TESTING AND INSPECTION FOR REGISTRATION OF FACILITIES</u>	8.3 <u>CERTIFICATION, TESTING AND INSPECTION FOR REGISTRATION OF FACILITIES</u>	
[New Section]	<p>8.3.4 <u>Each <i>market participant</i> shall, as a condition of obtaining the registration of a facility as a <i>generation settlement facility</i> pursuant to section 5.4C:</u></p> <p><u>8.3.4.1 provide the certifications referred to in sections 5.4C.3.6 and 5.4C.3.7; and</u></p> <p><u>8.3.4.2 successfully complete the testing and permit the inspection referred to in section 5.4C.3.8.</u></p>	Consequential Change
Chapter 8 - Definitions	Chapter 8 – Definitions	
1.1.211 <i>pseudo generation settlement facility</i> means a <i>generation settlement facility</i> that is classified as such by the <i>EMC</i> under section 5.4A.4 of Chapter 2;	1.1.211 <i>pseudo generation settlement facility</i> means a <i>generation settlement facility</i> that is classified as such by the <i>EMC</i> under section 5.4A.4 <u>or 5.4C.6</u> of Chapter 2;	Consequential Change

Annex 2

**Application form for Pseudo Generation Settlement Facility
Registration by a Market Participant (NEW)**

Application form for Pseudo Generation Settlement 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*, a *generation settlement facility* or a *non-exporting embedded intermittent generation 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 a *market participant* to apply for registration of one or more *intermittent generation facilities* that are not embedded *intermittent generation facilities* (as referred to in section 5.4C.3.2 of Chapter 2 of the *market rules*) as a *generation settlement facility* as described in section 5.4C of Chapter 2 of 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 four 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 unless you are applying for registration as a *generation settlement facility* as described in section 5.4C of Chapter 2 of the *market rules*)
- *Commissioning generation facility* (you need to complete a separate form for this type of registration)
- *Non-exporting embedded intermittent generation facility* (you need to complete a separate form for this type of registration).

This application form is to be used only by a *market participant* for application for registration of one or more *intermittent generation facilities* as a *generation settlement facility* as described in section 5.4C of Chapter 2 of the *market rules*. A *generation settlement facility* is registered for the delivery of *energy* only and is not subject to *dispatch* by the *PSO*.

To register one or more *generation facilities* as a ***generation settlement facility*** as described in section 5.4C of Chapter 2 of the *market rules*, you are required to represent, warrant and undertake (as continuing representations, warranties and undertakings) to the *EMC* in writing that, at all times, such *generation settlement facility* shall be comprised only of *intermittent generation facilities* that are not embedded *intermittent generation facilities* (as referred to in section 5.4C.3.2 of Chapter 2 of the *market rules*) with individual name-plate rating of less than 10 MW, and comply with all the requirements under section 5.4C of Chapter 2 of the *market rules*.

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 to register a *generation settlement facility* pursuant to section 5.4C of Chapter 2 of the *market rules* meets all the requirements 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 generation settlement facility to register pursuant to section 5.4C of Chapter 2 of the market rules?

Please fill in a separate form for **each** application for registration of a *generation settlement facility* that is pursuant to section 5.4C of Chapter 2 of the *market rules*. 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 pursuant to section 5.4C of Chapter 2 of the market rules

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 <i>intermittent generation facilities</i> that are not embedded <i>intermittent generation facilities</i> (as referred to in section 5.4C.3.2 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 directly <i>connected</i> to a <i>generating station</i>; such <i>generation settlement facility</i> shall not be comprised of any <i>intermittent generation facility</i> having a name-plate rating of 10 MW or more; every <i>intermittent generation facility</i> as may from time to time be comprised in such <i>generation settlement facility</i> meets the <i>connection</i>-related requirements and the metering-related requirements set forth or referred to in Chapter 4 of the <i>market rules</i>; 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 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>.
<p>B Meet the PSO's requirements</p>	<ul style="list-style-type: none"> You must complete the <i>PSO's Data Form for Generation Facility Registration</i> (as set out in Appendix B of this application form) for the facility, meeting all the applicable technical requirements and attaching any required documents during submission. The registration of your facility is subject to the <i>PSO</i> advising the <i>EMC</i> that such facility poses no threat to the <i>reliability</i> or <i>security</i> of the <i>PSO controlled system</i>.
<p>C Meet metering requirements</p>	<p>You must provide the metering details (as set out in Appendix C of this application form) for the facility and meet all the requirements set out in Appendix C of this application form.</p>
<p>D 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 of this application form, as applicable) for the facility. An original duly completed Data Form for Pseudo Generation Settlement Facility Registration (as described in Appendix B of this application form) for the facility.
<p>E Registration as a generation settlement facility pursuant to section 5.4C of Chapter 2 of the market rules</p>	<p>Your facility will be registered as a <i>generation settlement facility</i> and classified as a <i>pseudo generation settlement facility</i> pursuant to section 5.4C of Chapter 2 of the <i>market rules</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): _____

Identification Number¹: _____

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. **Derogation requested:** Yes No

3. **Wholesale Electricity *settlement account*:** _____

¹ This refers to the Applicant's ACRA registration number, Unique Entity Number or NRIC number, as the case may be.
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C. FACILITY DETAILS

5. Name of the facility: _____
6. Is every *intermittent generation facility* comprised in such *generation settlement facility* owned and operated by you? Yes No
7. Is the *generation settlement facility* comprised only of *intermittent generation facilities* that are not embedded *intermittent generation facilities* (as referred to in section 5.4C.3.2 of Chapter 2 of the *market rules*)? Yes No
8. Is every *intermittent generation facility* comprised in such *generation settlement facility* directly connected to a *generating station*? Yes No
9. Does every *intermittent generation facility* comprised in such *generation settlement facility* have a name-plate rating of no more than 10 MW? Yes No
10. Does every *intermittent generation facility* comprised in such *generation settlement facility* meet the *connection*-related requirements and the metering-related requirements set forth or referred to in Chapter 4 of the *market rules*? Yes No
11. Meter ID number(s): _____
(Please also complete **Appendix C** of this application form.)

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** of this application form) for the above facility.
- An original duly completed Data Form for Generation Facility Registration required by the *PSO* (as described 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/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 *generation settlement 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: _____

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.

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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.

APPENDIX A

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/I, [■state name of applicant], refer to our/my Application Form for Pseudo Generation Facility Registration by a Market Participant 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 (“the Application”).

Pursuant to the Application, we/I hereby represent, warrant and undertake (as continuing representations, warranties and undertakings) to the EMC (with a view to the EMC relying upon our/my continuing representations, warranties and undertakings herein in considering our/my 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 *intermittent generation facilities* that are not embedded *intermittent generation facilities* (as referred to in section 5.4C.3.2 of Chapter 2 of the *market rules*);
- 2) every *intermittent generation facility* as may from time to time be comprised in the Facility is directly connected to a *generating station*;
- 3) the Facility shall not be comprised of any *intermittent generation facility* having a name-plate rating of 10 MW or more;
- 4) every *intermittent generation facility* as may from time to time be comprised in the Facility meets the *connection*-related requirements and the *metering*-related requirements set forth or referred to in Chapter 4 of the *market rules*;
- 5) 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*;
- 6) 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*;
- 7) 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*; and
- 8) we/I understand that the Facility will be classified by the EMC as a *pseudo generation settlement facility*.

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

Our/my representations, warranties 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: _____

APPENDIX B

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.
- 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.

APPENDIX C

Metering Details

For each *pseudo generation settlement facility*, you are required to:

- identify and provide the *MSSL* with the list of meters of every *intermittent generation facility* (along with details of the solar PV installation, including but not limited to the premises address) comprised in the *pseudo generation settlement facility*;
- provide confirmation to the *MSSL* the list of meters associated with the *pseudo generation settlement facility* upon set-up of the generation account;
- inform the *MSSL* regarding any subsequent updates to the *pseudo generation settlement facility*; and
- install, commission, maintain, replace, repair and test each meter installation to ensure they are in good working conditions, have been tested for accuracy by accredited laboratory, and meet the applicable standards described in the *Metering Code*.

S/No	Generation Facility Name	Meter Type (Main, Check or Auxiliary)	Meter Serial Number	Premise Address	Station Load Meter Name (Please show tagging, if any)	Station Load Meter Serial Number
1						
2						
3						
4						

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