



Notice of market rule modification

Paper No. EMC/RCP/13/2004/234
Rule reference: Modifying Market Manual For Registration (Part 3)
– Application Form For Registration Of
Commissioning Generation Facility
Market Administration (EMC Pte Ltd)
Proposer: 20 April 2004
Date received by EMC: 2
Category allocated: Approved by EMA
Status: 21 June 2004
Effective Date:
Summary of proposed rules change:

Currently, registration of commissioning generation facility is contingent on the PSO's assessment that the facility's initial test schedule/plan does not threaten the security of power system. In addition, the System Operation Manual requires PSO to assess the reliability or security of power system before the actual test can be performed. Since the assessment performed using actual plant data and prior to actual commissioning test is more reliable, the proposal is to remove the requirement for PSO's assessment of the initial test schedule/plan done at the time of application for registration.

In addition, it is proposed to include (in the application form) that a facility's initial standing capability data has to be approved by the PSO before the facility can be registered as a commissioning generation facility

Date considered by Panel: 11 May 2004
Date considered by EMC Board: 26 May 2004
Date considered by Energy Market Authority: 17 June 2004
Proposed Rule Modification:

Refer to attachment

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



RCP PAPER NO : **EMC/RCP/13/2004/234**

SUBJECT : **MODIFYING MARKET MANUAL FOR REGISTRATION
(PART 3) – APPLICATION FORM FOR REGISTRATION
OF COMMISSIONING GENERATION FACILITY**

FOR : **DECISION**

PREPARED BY : **SHASHANK SWAN**

VETTED FOR QUALITY BY : **DR CHIAO YEN-SHONG
Chief Economist**

APPROVED BY : **PAUL POH LEE KONG
General Manager, Market Administration**

DATE : **11th MAY 2004**

Executive Summary

This is a proposed modification to the market manual (application form) regarding registration of commissioning generation facility. Currently, such a registration is contingent on the PSO's assessment that the facility's initial test schedule/plan does not threaten the security of power system. In addition, the System Operation Manual requires PSO to assess the reliability or security of power system before the actual test can be performed. Since the assessment performed using actual plant data and prior to actual commissioning test is more reliable, the proposal is to remove the requirement for PSO's assessment of the initial test schedule/plan done at the time of application for registration. In addition, it is proposed to include (in the application form) that a facility's initial standing capability data has to be approved by the PSO before the facility can be registered as a commissioning generation facility.

RCP recommends that the EMC Board **adopt** this proposal.

1. Introduction

This paper assesses the proposed changes to the market manual for registration of commissioning generation facility and the rationale for such a change. Annex 1 contains the proposed modification to the market manuals.

2. Analysis

- 2.1 Currently, under the market manual, EMC shall register a generation facility as a commissioning generation facility only if the PSO considers that the commissioning test schedule/plans of the facility poses no threat to the reliability or security of the power system. A brief sequence is detailed in Annex 2.

As part of commissioning process, the PSO has to assess reliability or security of power system twice; once at the time of application for registration and secondly, at the time of performing actual commissioning test (s). Since such an assessment is more reliable when done near the time of actual commissioning test, to do an assessment at the time of application for registration adds no value to the process¹. Further, the market rules require such an assessment for reliability or security of power system to be done only for registration of generation facilities/load facilities at the time of application (and not for registration of commissioning generation facility²).

As the additional step of assessment adds only transaction cost to the market players, it is proposed that the requirement that PSO informs EMC that the commissioning test plans of a generation facility does not pose any threat to the security of the system, before EMC can register the generation facility as commissioning generation facility be deleted.

- 2.2 Standing Capability Data requirement. The market rules require that initial standing capability data for a facility be submitted for PSO approval at the time of application for registration. The rationale is that the standing capability data is required for the MCE³ to generate dispatch schedules for such commissioning generation facility during its commissioning period. This requirement is proposed to be stated explicitly in the market manual (application form) that EMC will only register a facility as a commissioning generation facility after PSO has approved the standing capability data for the facility. The reason for stating this explicitly in the application form is that an applicant should know all the relevant information required for registration under the rules in simple language.

2.3 Other modifications

Minor modifications are made to make certain words/phrases consistent with the defined terms (i.e. italicised expressions) under market rules. Further, the text under “Covenant and Declaration” (section F in the application form) is made more specific by making the declaration explicitly applicable to the facilities being registered for commissioning.

¹ There may be significant elapsed time between the time when the initial test plan is approved by PSO and the actual date of performing a test. As such, the grid conditions could be quite different than when the test plan was approved and also the test plans could change during commissioning.

² However, at market start, the requirement was added in the market manual for registration of commissioning generation facility to closely mirror requirements of registration of generation facilities and is now found to be unnecessary.

³ Once the standing capability data is approved by PSO, it is sent to EMC; which is then uploaded in the MCE

3. Impact of modification

There is no system impact for EMC and there is no impact on MPs or MSSL.

4. Consultation

We have published the relevant sections of market manual on the EMC website for comments. No comments have been received for consideration

5. Legal review

Text of market manual has been vetted by EMC's legal counsel to reflect the intent of the market manual modification.

6. Recommendation

The RCP has accepted by consensus EMC's proposed modifications and recommends that the EMC Board:

- (a) **adopt** EMC's proposed rule modifications as set out in Annex 1;
- (b) **seek** the Authority's approval of EMC's proposed rule modifications;
- (c) **recommend** that the proposed modifications come into force **one business day** after the date on which the approval of the Authority is published by the EMC.

ANNEX 1

Based on the
Singapore Electricity Market Rules

Application form For Registration of Commissioning Generation Facility

including explanatory notes.

Please read this important information before completing this form.

Why do I need to complete this form?

Energy Market Company Pte Limited (“EMC”) is licensed by the Energy Market Authority (“~~Authority~~”) (“*Authority*”) to operate the *wholesale electricity market* in Singapore. One of the EMC’s responsibilities is to manage the registration of facilities in the *wholesale electricity market*. You must complete and submit this form to apply to have a facility registered by the EMC if you wish to:

- participate in the *wholesale electricity market* and/or
- convey any *physical services* into, through or out of the *transmission system* and
- subject your *generation facility* of over 1MW (as rated in its name plate) to dispatch by the PSO whilst the facility is undergoing commissioning tests.

Why did EMC develop this form?

The EMC has developed this form to facilitate the registration process described in the *market rules*. You should read the relevant sections of the *market rules* prior to completing the forms. Please also refer to the EMC disclaimer at the end of this form.

Am I eligible to apply for registered facility status?

You must have at least conditional registration status in the *market participant* registration process before the EMC can process your application for facility registration.

What are the types of facility registration?

The three types of *registered facilities* are:

- *Generation settlement facility*
- *Generation registered facility*
- *Commissioning generating facility*

You should register as a ***commissioning generation facility*** if you have a *generation facility* of 10MW or more (as rated in its name plate) undergoing commissioning tests. You should register as a ***commissioning generation facility*** if you have a *generation facility* of 1MW or more but less than 10MW (as rated in its name plate) and you wish to subject it to ~~dispatch~~ *dispatch* by the PSO whilst the facility is undergoing commissioning tests. This registration is a transitional arrangement.

Subsequently, you should use the Application form for *Generation* Facility Registration if you are registering this commissioned facility as a *generation settlement facility* or a *generation registered facility*.

When will I know the outcome of my application?

The EMC will notify you in writing of the outcome within 30 *business days* of the receipt of your fully completed registration form or any further information or clarification requested by the EMC, whichever is the later (unless you and the EMC have agreed a longer time for this process). If your application is declined, the notification will identify why this was the case. A complete and accurate form will help the EMC to process your *participant registration application* within the above stated period.

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

Please fill in separate sets of forms for each facility to be registered. To do this, you may wish to download more forms from the EMC’s website: www.emcsg.com.

Is there an application fee for facility registration?

There is no application fee for facility registration.

Summary of registration requirements for a commissioning generation facility (10MW and above or 1MW to less than 10MW and subject to PSO dispatch)

The key requirements for the registration of a *commissioning generation facility*

- of 10MW or above (as rated in its name plate) or
- 1MW or more and less than 10MW (as rated in its name plate) and subject to *PSO* dispatch

are set out in the table below:

A	Meet pre-registration requirements	You must be sure you can satisfy all applicable technical requirements before submitting your registration application. The <i>EMC</i> may test and inspect your equipment to ensure compliance. Successful completion of these tests is a pre-condition for registration. You must also ensure you have adequately qualified staff and identify your <i>dispatch coordinator</i> , who is authorised to submit <i>dispatch data</i> for your <i>registered facility</i> . You can change your <i>dispatch coordinator</i> only with the <i>EMC</i> 's prior approval.
B	Meet the <i>PSO</i>'s requirements	You must complete the <i>PSO</i> 's 'Facility Data Registration Form', meeting all their technical requirements and attaching any required documents during submission.
C	Prepare and attach required documents	As a pre-requisite for registration, you must attach; <ul style="list-style-type: none"> • A copy of your <i>connection agreement</i> with the <i>transmission licensee</i>. • Identification of the <i>physical services</i> to be provided by the facility. • A <i>standing offer</i> for each <i>physical service</i> to be provided by the facility. • An undertaking that you have operational control and authority over the facility.
D	Registration as a <i>commissioning generation facility</i>	The <i>EMC</i> shall approve your registration when it is satisfied that: <ul style="list-style-type: none"> • The facility is capable of operating as described in your registration (the <i>EMC</i> may consult with the <i>PSO</i>). • The <i>PSO</i> considers that the commissioning test schedule / plan of the facility poses no threat to the reliability or security of the power system. • <u>The <i>PSO</i> has approved the facility's <i>standing capability data</i>.</u> <p>If the <i>EMC</i> is satisfied that you meet the requirements of a <i>commissioning generation facility</i>, we will register you as one. The <i>EMC</i> will advise 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. If your facility is located outside Singapore, you may have to meet additional <i>EMC</i> requirements.</p>

How can I find more information?

In addition to this form and the *market rules*, you can find more information by contacting the *EMC* Market Administration Team by telephone +65 6779 3000. Alternatively, you may visit the *EMC* website at <http://www.emcsg.com>.

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

A. REGULATORY DETAILS

1. What ~~electricity licence(s)~~ electricity licence(s) for the ~~wholesale electricity market~~ wholesale electricity market do you hold?

Note: You may only tick one licence on this form. You should complete a separate form if you intend to perform different functions in the *wholesale electricity market*.

- Generator *electricity licence*
- Retailer *electricity licence*
- Transmission *electricity licence*
- An *electricity licence* other than a generator or retailer licence permitting the holder to trade in the *wholesale electricity market*
- I/We have been exempted by the Authority Authority from the need to hold an *electricity licence*
- Electricity licence* number _____

2. What is the name plate capacity of the ~~commissioning generation facility~~ commissioning generation facility?

- 1 to less than 10 MW 10 MW and above

3. Derogation requested Yes No

4. Wholesale Electricity Market Settlement account _____

B. FACILITY DETAILS

5. Name of the facility: _____

6. Name of owner of the facility: _____

7. Physical address of the facility: _____

8. Meter ID number _____
(Please complete Appendix A)

9. Designated ~~dispatch coordinator~~ dispatch coordinator for the facility _____
(Market Participant authorised to submit *dispatch data* with respect to the *registered facility*)

10. Designated ~~dispatch coordinator~~ dispatch coordinator contacts for the facility:

	Main Contact	Alternate contact
Full Name & Designation		
Contact Numbers		
Email Address		
Hand phone Nos.		
Fax Nos.		

C. STANDING OFFER DATA (For each ~~generation commissioning facility~~ generation commissioning facility)

Please provide '~~standing offer~~' 'standing offer' data for ~~energy~~ energy in a CSV file format to Helpdesk@emcsg.com . For details please refer to the EMC's MARKET OPERATIONS MARKET MANUAL on Standing Offers, Offer Variations and Standing Data (Chapter 6 *market rules*)

**D. GENERATION FACILITY REGISTRATION
(FOR SUBMISSION TO PSO)**

~~Please see attached PSO data form. The form shall be considered complete only if all the relevant sections are completed and relevant documentation is attached.~~

Please see attached PSO data form. The form shall be considered complete only if all the relevant sections are completed and relevant documentation is attached.

E. SUPPORTING DOCUMENTS REQUIRED

You must attach certified true copies of the following documents to your application form:

- Copy of metering agreement with the MSSL.
- Copy of ~~connection agreement~~ connection agreement with the ~~transmission licensee~~ transmission licensee.
- An undertaking stating that adequate personnel and organizational arrangements are met for that facility, which include reliable services during normal and emergency situations.

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FOR EMC OFFICIAL USE

1. Assigned MNN number(s) for this registered facility _____

INFORMATION PROVIDED BY MSSL TO EMC

2. Respective RQM (as defined by MSSL) Id no(s) _____

2.1. Physical address of the facility _____

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F. COVENANT AND DECLARATION

I/We, the undersigned applicant(s), having read and fully understood the Singapore Electricity Market Rules (the 'Rules'), the Companies Act (Chapter 50) (the "CA"), and any other applicable laws, codes, rules, procedures or policies that are relevant to or regulate the Singapore Electricity Market or the electricity industry (the 'Laws'), and/or having had the benefit of relevant independent legal advice, hereby apply to ~~become registered as a Market Participant under the Electricity Act 2001 of Singapore (the 'Act') and covenant to comply with and be legally bound by the Act, the Rules, the CA and the Laws (as the same may be amended from time to time).~~ register the relevant facilities as stated hereinabove under the Rules and covenant to comply with and be legally bound by the Electricity Act (Chapter 89A) of Singapore, the Rules, the CA and the Laws (as the same may be amended from time to time) in relation to such facilities.

I/We, the undersigned applicant(s), further hereby declare that the information provided by me/us in this form is both true and accurate to the best of my/our knowledge, information and belief and hereby covenant to be subject to any sanctions, penalties or orders as may be imposed by the relevant authorities under the Act, the Rules, the CA, or the Laws, in the event that such information is found to be untrue, misleading or inaccurate by the relevant authorities.

I/We, the undersigned applicant(s), further hereby covenant to be legally bound by the relevant dispute resolution provisions under the Rules, in the event that this application for registration is denied and a dispute arises from such unsuccessful application.

~~Signed for and on behalf of the Applicant by:~~

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

Signature: _____

Name: _____

Position: _____

Date: _____

ANNEX 2

Current sequence of events for commissioning process (including registration of commissioning generation facility)

1. MP applies for registration of commissioning generation facility to EMC along with initial standing capability data.
2. MP submits initial commissioning test plan to PSO.(For approval)
3. EMC seeks PSO's advice on whether commissioning test plans pose any threat to the reliability or security of the power system.
4. PSO approves the initial standing capability data.
5. Based on these commissioning test plans, if PSO informs EMC that the commissioning facility does not pose any threat to the security of the system, then the EMC can register the facility as commissioning generation facility assuming other registration requirements are met.
6. MP can then proceed with the actual commissioning of the generation facility.
7. In accordance with System Operation Manual (Section 6.2.5), MP applies to PSO for approval of commissioning test before proceeding with the actual test. (Here, PSO has to assess whether such a test poses any threat to the reliability or security of power system)