

**DETERMINATION OF THE MARKET SURVEILLANCE AND COMPLIANCE PANEL  
MSCP/2005/D7**

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**Market Surveillance and Compliance Panel ("MSCP")**

Mr Joseph Grimberg, Chair  
Professor Lim Chin  
Mr Lee Keh Sai  
Mr TPB Menon

**Date of Determination**

11 April 2005

**Party**

Energy Market Company Pte Ltd ("EMC")

**Subject**

Failure to release real-time dispatch schedule and short-term schedule for period 43 to the PSO on 15 April 2004

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**Applicable Rule(s) in the Singapore Electricity Market Rules**

1. Section 9.2.1 of Chapter 6

"The EMC shall, prior to the commencement of each dispatch period and in accordance with the market operations timetable, use the market clearing engine to determine for that dispatch period:

- 9.2.1.1 a real-time dispatch schedule, containing schedules of energy, reserve and regulation for registered facilities, to be released to the PSO, which in accordance with section 9.1.2 of Chapter 5 shall be deemed to constitute the dispatch instructions issued by the PSO to the applicable dispatch coordinators unless and until further dispatch instructions are issued by the PSO to a given dispatch coordinator pursuant to section 9.1.3 of Chapter 5...."

The market operation timetable in Appendix 6A of Chapter 6 provides for the EMC to release the real-time dispatch schedule to the PSO prior to 30 seconds before the commencement of the dispatch period.

2. Section 7.7.2A of Chapter 6 provides that:

“Not later than 25 minutes prior to the commencement of the first dispatch period of the short-term schedule referred to in section 7.4A, the EMC shall, for each dispatch period included in the short-term schedule:

7.7.2A.1 release to the dispatch coordinator for each registered facility the projected schedules for energy, regulation and reserve, by reserve class, for that registered facility;

7.7.2A.2 publish the information described in section 7.7.3; and

7.7.2A.3 communicate to the PSO the projected schedules for energy, regulation and reserve, by reserve class, for each registered facility, together with the information described in section 7.7.3, in accordance with the system operation manual and any applicable market manual.”

**Facts and Circumstances**

3. According to the EMC, the real-time dispatch schedule and short-term schedule for period 43 were processed and published on time but not released to the PSO within the deadlines stipulated in the market rules.
4. The Dispatch Listener (the IT application that was responsible for sending dispatch files to the PSO) was unable to connect with the Oracle Database due to a bug in the EMC IT system.
5. The immediate actions taken by the EMC after the incident occurred were to (i) re-establish the PSO-EMC link; (ii) confirm with the PSO that they were able to receive the subsequent short-term schedule; and (iii) monitor for 1 hour to ensure that subsequent dispatch processing was successful.
6. The EMC also changed the programme in the Dispatch Listener such that the application closes the connection between itself and the Database after each delivery of the dispatch files to the PSO. This will remove the idle connection between the Dispatch Listener and the Oracle Database to further reduce the possibility of both applications experiencing connectivity problems.
7. This incident did not have a significant impact on the wholesale electricity markets.

**Determination**

8. On 25 November 2004, the MCSP issued a letter informing the EMC that it considered that the EMC had prima facie breached sections 9.2.1.1 and 7.7.2A.3 of Chapter 6 of the Singapore Electricity Market Rules (the “market rules”) and invited the EMC to make written representations. No written representations were received by the deadline stipulated.
9. The MSCP determined on the basis of the facts referred to above that the EMC breached sections 9.2.1.1 and 7.7.2A.3 of Chapter 6 of the market rules.

10. However, the breaches were self-reported, rectified quickly and without significant impact on the markets.
11. Therefore, the MSCP determined that the appropriate enforcement action to be taken was to issue a letter of non-compliance to the EMC and to direct the EMC to pay costs, fixed at \$1,000.

A handwritten signature in black ink, consisting of a stylized 'J' followed by a horizontal line and a small vertical stroke at the end.

Joseph Grimberg  
Chair  
Market Surveillance and Compliance Panel