**DETERMINATION OF THE MARKET SURVEILLANCE AND COMPLIANCE PANEL
MSCP/2004/D3**

Market Surveillance and Compliance Panel ("MSCP")
Mr Joseph Grimberg, Chair
Professor Lim Chin
Mr Lee Keh Sai
Mr TPB Menon

Date of Determination
2 April 2004

Party
Energy Market Company Pte Ltd ("EMC")

Subject
Late publication of market outlook scenarios

Applicable Market Rule(s) of the Singapore Electricity Market Rules

1. <u>Section 7.7.1 of Chapter 6 provides that:</u>

    "By 9:00 hours of each dispatch day the EMC shall, for each dispatch period covered by each of the 3 market outlook scenarios referred to in section 7.3.1:

    7.7.1.1 release to the dispatch coordinator for each registered facility the projected schedules for energy, regulation and reserve, by reserve class, for that registered facility;
    7.7.1.2 publish the information described in section 7.7.3; and
    7.7.1.3 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."

2.   <u>Section 7.7.3 of Chapter 6 provides that:</u>

"In accordance with sections 7.7.1 and 7.7.2, the EMC shall publish the following information for each dispatch period and for each market outlook scenario and pre-dispatch schedule scenario:

7.7.3.1   the projected total load;
7.7.3.2   the projected total transmission losses;
7.7.3.3   total reserve requirements by reserve class;
7.7.3.4   total regulation requirements;
7.7.3.5   projected energy prices associated with each market network node at which a generation registered facility or generation settlement facility is located, determined in accordance with sections D.24.1 and D.24.5 of Appendix 6D;
7.7.3.6   the projected uniform Singapore energy price, determined in accordance with section D.24.6 of Appendix 6D;
7.7.3.7   projected reserve prices for each reserve class and reserve provider group, determined in accordance with sections D.24.3, D.24.5 and D.24.7 of Appendix 6D;
7.7.3.8   projected regulation prices, determined in accordance with sections D.24.4 and D.24.5 of Appendix 6D;
7.7.3.9   any predicted system energy shortfalls;
7.7.3.10 any predicted system reserve shortfalls, by reserve class;
7.7.3.11 any predicted system regulation shortfalls; and
7.7.3.12 a list of security constraints and generation fixing constraints applied."

Facts and Circumstances

3.   The market outlook scenarios determined on 20 February 2003 provided a forecast for all the dispatch periods falling from 21 February 2003 to 26 February 2003. Upon receipt of the network status file at 0150 hrs, the market clearing engine commenced the week ahead run ("WAR") to produce market outlook scenarios but it failed at 0208 hrs before completion due to a database error.

4.   The database error was caused by a repeated debugging message which caused a memory overflow problem. The processing of the outages contained in the network status file, a normal operational process in the database, produced the debug message. The EMC was unable to explain why this had occurred.

5.   The EMC rectified the problem by disabling the debug message and continued with the WAR run. The market outlook scenarios were computed after the normal processing time and the EMC determined and published the market outlook scenarios at 1206 hrs on 20 February 2003, after the deadline of 0900 hrs provided for in the Singapore Electricity Market Rules (the "market rules").

Determination

6. In a statement made on 30 December 2002, the MSCP gave notice of the enforcement policy it would adopt in the event of a rule breach during the 3 months immediately following market start.

7. On 11 February 2004, the MCSP issued a letter informing the EMC that it considered that the EMC had prima facie breached section 7.7.1 of Chapter 6 of the market rules and invited the EMC to make written representations. No written representations were received by the deadline stipulated.

8. The MSCP determined on the basis of the facts referred to above, that the EMC breached section 7.7.1 of Chapter 6 of the market rules.

9. However, the breach was inadvertent, and was quickly rectified with minimal impact on the market. There is nothing to indicate that the EMC had not made reasonable attempts to comply with the rules. Therefore, the MSCP determined that no enforcement action was to be taken.

Joseph Grimberg
Chair, Market Surveillance and Compliance Panel