



**Independent Market Operator**

**The IMO's Decision on  
Procedure Change Proposal**

**Title: Power System Security**

**Ref: PPLC0002**

**Date: 23 January 2009**

## CONTENTS

INTRODUCTION .....	3
THE IMO'S ASSESSMENT .....	3
THE IMO'S REASONS .....	3
COMMENCEMENT .....	5

## DOCUMENT DETAILS

IMO Notice No.: PPLC0002  
Report Title: Procedure Change Report: Power System Security  
Release Status: Public  
Confidentiality Status: Public domain  
Published in accordance with Market Rule 2.10.15

### Independent Market Operator

Level 3, Governor Stirling Tower  
197 St George's Terrace, Perth WA 6000  
PO Box 7096, Cloisters Square, Perth WA 6850  
Tel. (08) 9254 4300  
Fax. (08) 9254 4399  
Email: [imo@imowa.com.au](mailto:imo@imowa.com.au)  
Website: [www.imowa.com.au](http://www.imowa.com.au)

## INTRODUCTION

On 12 January 2009, the Independent Market Operator (IMO) published a Procedure Change Report from System Management regarding proposed amendments to the Power System Operating Procedure: Power System Security.

Clause 2.10.14 of the Wholesale Electricity Market Rules (Market Rules) requires the IMO to make a decision as to whether to approve a Procedure Change Proposal published by System Management, within 10 Business Days of a Procedure Change Report being published.

This document, containing the IMO's decision on the Procedure Change Proposal "Power System Operating Procedure: Power System Security", PPLC0002, is published as required under clause 2.10.15 of the Market Rules.

## THE IMO'S ASSESSMENT

IMO has assessed the proposed procedure changes contained in the Procedure Change Report and decided to approve the amendments to the procedure as proposed by System Management.

## THE IMO'S REASONS

The IMO has decided to approve the amendments to the procedure, as proposed by System Management, based on the IMO's assessment that the proposed changes are consistent with the Wholesale Market Objectives, the Market Rules, the *Electricity Industry Act 2004* and regulations made under the *Electricity Industry Act 2004*.

The Power System Operation Procedure was originally prepared prior to the commencement of the Wholesale Electricity Market (WEM). Consequently, System Management submitted that the amendments to the procedure were required to more accurately reflect System Management's performance of its functions and changes to the Market Rules which have occurred since commencement of the WEM on 21 September 2006.

The IMO considers that updating the Market Procedure ensures compliance with the Market Rules and greater transparency in System Management's performance of its required functions. The IMO therefore considers that the amendments to the procedure are consistent with the Wholesale Market Objectives.

In making its decision the IMO has also noted the process involved in producing the amended procedure:

- The amended procedure was developed in conjunction with the System Management Power System Operation Procedure Working Group (Working Group). This Working Group, consisting of Rule Participants, was appointed by the Market Advisory Committee (MAC) to assist System Management in considering, assessing and developing changes

to the System Management Market Procedures. At the 30 September 2008 meeting, the Working Group proposed the following amendments to the procedure, as originally proposed by System Management:

- Section 2: Indicate that the Market Rule references “are current as at 1 October 2008”.
- Section 5.1: in the first paragraph, must clarify that Equipment limits “...is derived from Standing Data, System Management will also have regard to any additional information that System Management otherwise becomes aware of...”
- Section 5.1: in the third paragraph, must clarify that Equipment limits must also include “...elements of Standing Data...”, not Standing Data in its entirety.
- Section 5.1: in the third paragraph, must clarify that Equipment limits must also include “...elements of Standing Data...”, not Standing Data in its entirety.
- Section 7: in the sixth paragraph, must clarify that the Technical Envelope is based on only “elements of the Technical Rules”.
- Section 9. Voltage Control, Section 10 Frequency Control, Section 13. Communication within the SWIS has been shifted to appear after the “Technical Envelope” section and before the “Normal Operating State” section.
- Section 11. Ready Reserve has been shifted to appear after “High Risk & Emergency Operating States” section and before “Load Shedding” section.
- Section 14: deletion of paragraphs 2 and 4.
  - “2. *The principle governing the use of mandatory curtailment is that it should be used in circumstances where demand reduction is required to:*
    - a. *preserve a minimum level of power system security;*
    - b. *avoid a deteriorating security situation which will likely lead to the prospect of further mandatory load shedding; or*
    - c. *avoid possible damage to power system facilities or consumer equipment due to severe violation of voltage, frequency standards or equipment ratings.”*
  - “4. *Automatic Under Frequency Load Shedding: The feeders on each under frequency block are reviewed following a major interruption event, taking into account the nature of the load on each feeder and the consequence of potential interruptions to different consumers.”*
- System Management amended the sections as proposed by the Working Group. The changes were distributed to Working Group members for review out of session. No further changes were suggested. Therefore System Management proceeded to submit a formal Procedure Change Proposal.

- Following the publication of the Procedure Change Proposal on the IMO website on 6 November 2008, the proposal was subject to a 20 day public submission period. No party submitted any concerns, or proposed any further amendments to the procedure as proposed by System Management.
- Further suggestions to ensure that the proposed changes were consistent with the Market Rules were made informally by the IMO and incorporated into the final amended procedure submitted by System Management. In particular the IMO suggested amendments to:
  - ensure the definition of Equipment limits in section 5.1 doesn't extend on the definition of equipment limits specified in Market Rule 3.2.1; and
  - further clarify that security limits also include regions of the SWIS in section 6.2; and
  - include further details outlining the process to establish the Technical Envelope be included in the amendments.

## COMMENCEMENT

This amended Market Procedure will commence at 08.00am on 1 February 2009.