

Single Electricity Market

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| Final REcommendation ReportMod\_27\_12: Representation of Price Takers in the MSP Software22 January 2013 |

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Document History

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| **Version** | **Date** | **Author** | **Comment** |
| 1.0 | 14 January 2013 | Modifications Committee Secretariat | Issued to Modifications Committee for review and approval |
| 2.0 | 22 January 2013 | Modifications Committee Secretariat | Issued to Regulatory Authorities for final decision |

Reference Documents

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| **Document Name** |
| [Trading and Settlement Code](http://semopub/MarketDevelopment/MarketRules/TSC.doc)  |
| [Mod\_27\_12: Representation of Price Takers in the MSP Software](http://semopub/MarketDevelopment/ModificationDocuments/Mod_27_12%20Representation%20of%20Price%20Takers%20in%20the%20MSP%20Software.docx) |
| [Meeting 46 Presentation Slides](http://semopub/MarketDevelopment/ModificationDocuments/Mod_27_12%20Representation%20of%20Price%20Takers%20in%20the%20MSP%20Software%20Slides%20v0.1.pptx) |

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# MODIFICATIONS COMMITTEE RECOMMENDATION

## Recommended for Approval– unanimous Vote

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| **Recommended for Approval by Unanimous Vote**  |
| Emeka Chukwureh | Supplier Alternate  | Approve |
| Gill Bradley | Generator Alternate | Approve |
| Ian Luney | Generator Member | Approve |
| Jill Murray-Chair | Supplier Member | Approve |
| Kevin Hannafin | Generator Alternate | Approve |
| Mary Doorly | Generator Alternate | Approve |
| Patrick Liddy | DSU Member | Approve |
| William Carr | Supplier Member | Approve |
| William Steele | Supplier Member | Approve |

# Background

This Modification Proposal was raised by SEMO and received by the Secretariat on 21 November 2012.

The Modification Proposal was presented and discussed at Meeting 46 on 05 December 2012 where it was voted on.

# PURPOSE OF PROPOSED MODIFICATION

## 3A.) justification of Modification

Certification of the MSP Software has raised that paragraph N.7 is not strictly true in that Price Taker Generator Units (and Price Maker Generator Units Under Test) are individually represented in the MSP Software. While the MSQs of these units are set according to Table 5.1 in Section 5 and are not calculated by the MSP Software, the Schedule Demand calculation (e.g. N.32 for EP2 runs) is not explicitly pre-processed and is effected within the MSP Software.

This occurs by including a demand to be met by all Generator Units equal to the total Actual Output of all Generator Units (plus any Dispatch Quantity of the Interconnector Residual Capacity Unit and any Demand Control). Then by fixing the MSQs of the Price Taker Generator Units (and the Price Maker Generator Units Under Test) to equal their Table 5.1 values, the remaining demand to be met by Price Making Generator Units is equal to the Schedule Demand.

Price Taker Generators (and Price Taker Generators Under Test) are represented individually in the MSP Software for the purpose of determining the Schedule Demand and this change reflects this.

## 3B.) Impact of not Implementing a Solution

The MSP Software will not strictly align with the Appendix N.

## 3c.) Impact on Code Objectives

This Modification Proposal aims to further Code Objective 1.3.5, namely;

“to provide transparency in the operation of the Single Electricity Market”.

# Assessment of Alternatives

No alternatives assessed.

# Working Group and/or Consultation

N/A

# impact on systems and resources

N/A

# Impact on other Codes/Documents

N/A

# MODIFICATION COMMITTEE VIEWS

## Meeting 46 - 05 december 2012

MO Alternate explained the proposal with the aid of diagrams from a PowerPoint presentation. The proposal arose following completion of the certification of the MSP Software. Proposer noted that there is no change to the Scheduled Demand calculations and does not change the scheduling of price takers. Generator Member sought clarification that the proposal is correcting the way the software works at present. MO Alternate confirmed that the proposal seeks to remove an inaccuracy in the Code that states that Price Takers are individually represented in the MSP Software.

Generator Alternate questioned if it would be better, from a performance perspective, to complete the calculation outside of the MSP Software. MO Alternate stated that the individual representation of price takers in the MSP Software should not impact on the performance of the MSP Software.

# Proposed Legal Drafting

As set out in Appendix 1.

#  LEGAL REVIEW

Complete

# IMPLEMENTATION TIMESCALE

It is proposed that this Modification is implemented on a Trading Day basis with effect from one Working Day after an RA Decision.

# Appendix 1: Mod\_27\_12

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| **MODIFICATION PROPOSAL FORM** |
| **Proposer** | **Date of receipt** | **Type of Proposal** | **Modification Proposal ID** |
| **SEMO** | **21 November 2012** | **Standard** | **Mod\_27\_12** |
| **Contact Details for Modification Proposal Originator** |
| **Name** | **Telephone number** | **Email address** |
| **Aodhagan Downey** | **+353-1-2370124** | **aodhagan.downey@sem-o.com** |
| **Modification Proposal Title** |
| **Representation of Price Takers in the MSP Software** |
| **Documents affected** | **Section(s) Affected** | **Version number of T&SC or AP used in Drafting** |
| **T&SC** | **Appendix N** | **V11.0** |
| **Explanation of Proposed Change***(mandatory by originator)* |
| Certification of the MSP Software has raised that paragraph N.7 is not strictly true in that Price Taker Generator Units (and Price Maker Generator Units Under Test) *are* individually represented in the MSP Software. While the MSQs of these units are set according to Table 5.1 in Section 5 and are not calculated by the MSP Software, the Schedule Demand calculation (e.g. N.32 for EP2 runs) is not explicitly pre-processed and is effected within the MSP Software.This occurs by including a demand to be met by all Generator Units equal to the total Actual Output of all Generator Units (plus any Dispatch Quantity of the Interconnector Residual Capacity Unit and any Demand Control). Then by fixing the MSQs of the Price Taker Generator Units (and the Price Maker Generator Units Under Test) to equal their Table 5.1 values, the remaining demand to be met by Price Making Generator Units is equal to the Schedule Demand. |
| **Legal Drafting Change***(Clearly show proposed code change using* ***tracked*** *changes, if proposer fails to identify changes, please indicate best estimate of potential changes)* |
| N.7 Predictable Price Taker Generator Units, Predictable Price Maker Generator Units that are Under Test, Variable Price Taker Generator Units and Variable Price Maker Generator Units that are Under Test shall be individually represented within the MSP Software for the purpose of determining Schedule Demand. |
| **Modification Proposal Justification***(Clearly state the reason for the Modification)* |
| Price Taker Generators (and Price Taker Generators Under Test) are represented individually in the MSP Software for the purpose of the determining the Schedule Demand and this change reflects this.  |
| **Code Objectives Furthered***(State the Code Objectives the Proposal furthers, see Section 1.3 of T&SC for Code Objectives)* |
| 1.3.5. to provide transparency in the operation of the Single Electricity Market;  |
| **Implication of not implementing the Modification Proposal***(State the possible outcomes should the Modification Proposal not be implemented)* |
| The MSP Software will not strictly align with the Appendix N. |
| **Working Group***(State if Working Group considered necessary to develop proposal)* | **Impacts***(Indicate the impacts on systems, resources, processes and/or procedures)* |
| No | None |
| ***Please return this form to Secretariat by email to*** *modifications@sem-o.com* |