

Single Electricity Market

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| Final REcommendation ReportMod\_07\_13: Clarification regarding the rules for Instruction Profiling in Appendix O.10 july 2013 |

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Document History

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| **Version** | **Date** | **Author** | **Comment** |
| 1.0 | 02 July 2013 | Modifications Committee Secretariat | Issued to Modifications Committee for review and approval |
| 2.0 | 10 July 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)  |
| [Agreed Procedure 1](http://semopub/MarketDevelopment/MarketRules/AP01.docx) |
| [Mod\_07\_13 Appendix O Correction](http://semopub/MarketDevelopment/ModificationDocuments/Mod_07_13%20Appendix%20O%20correction.docx) |

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# MODIFICATIONS COMMITTEE RECOMMENDATION

## Recommended for Approval– unanimous Vote

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| **Recommended for Approval by Unanimous Vote**  |
| Áine Dorran | Generator Alternate | Approved |
| Brian Mongan | Generator Alternate | Approved |
| Jill Murray | Supplier Member | Approved |
| Iain Wright-Chair | Supplier Member | Approved |
| Kevin Hannafin | Generator Alternate | Approved |
| Mary Doorly | Generator Alternate | Approved |
| William Carr | Supplier Member | Approved |
| William Steele | Supplier Member | Approved |

# Background

This Modification Proposal was raised by SEMO and was received by the Secretariat on 30 May 2013. This modification clarifies how Dispatch Instructions having the same Instruction Issue Time and Instruction Effective Time are handled. In addition, it documents how wind instructions are merged with MWOFs with the same Effective Time.

The Modification Proposal was presented and discussed at Meeting 49 on 13 June 2013 where it was voted on.

# PURPOSE OF PROPOSED MODIFICATION

## 3A.) justification of Modification

This modification aims to clarify issues raised by the auditors in relation to Instruction Profiling in Appendix O. As part of a previous modification, Mod\_37\_09v2, the text of O.11, which deals with the case where multiple Dispatch Instructions with the same Instruction Effective Time but different Instruction Issue Time are issued for a Generator Unit, was modified to state that the instructions should be ranked in the stated order and the highest ranked dispatch instruction should be used. This was identified by the auditors as being inaccurate.

It is proposed to revert to the original text which describes the instructions as being ordered in such a case and reflects what happens in practice in the Instruction Profiler.

In addition, it was identified by the auditors that certain rules applied by the Instruction Profiler to combine WIND and MWOF instructions do not appear in the T&SC. This modification adds them to Table O.2 for clarity and transparency and edits the description in O.13.

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

If this modification is not implemented, a lack of transparency will remain in the description of Instruction Profiling in Appendix O.

## 3c.) Impact on Code Objectives

This modification should further the following Code Objectives:

1.3.5 to provide transparency in the operation of the Single Electricity Market;

# 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 49 – 13 june 2013

MO Member outlined proposal advising that it edits Appendix O, which addresses the Instruction Profiling function in SEM. It clarifies how Dispatch Instructions having the same Instruction Issue Time and Instruction Effective Time are handled. A previous modification had edited Section O.13 which describes how instructions are sorted, while the next section describes how they are validated. In addition, it documents how wind instructions are merged with MWOFs with the same Effective Time.

Generator Alternate queried as to whether the order of Instruction Codes is a concern. MO Member confirmed that it is not.

Generator Alternate queried as to whether there was reasoning behind why the wind constraints are different to another identifier.

MO Member clarified that the system was built this way in order to easily accommodate any future changes that may be necessary to implement but that there is currently no distinction between the application of WIND CURL and WND LOCL.

Chair queried as to whether it is possible to issue two Dispatch Instructions simultaneously. MO Member confirmed that it is possible to issue them within the same minute and that an issue time can be revised with an updated set of Dispatch Instructions.

# 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\_07\_13

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| **MODIFICATION PROPOSAL FORM** |
| **Proposer** | **Date of receipt** | **Type of Proposal** | **Modification Proposal ID** |
| **SEMO** | **30 May 2013** | **Standard** | **Mod\_07\_13** |
| **Contact Details for Modification Proposal Originator** |
| **Name** | **Telephone number** | **Email address** |
| **Niamh Delaney** | 1. **2370321**
 | **niamh.delaney@sem-o.com** |
| **Modification Proposal Title** |
| **Clarification regarding the rules for Instruction Profiling in Appendix O.**  |
| **Documents affected** | **Section(s) Affected** | **Version number of T&SC or AP used in Drafting** |
| **T&SC** | **Appendix O** | **V13.0** |
| **Explanation of Proposed Change***(mandatory by originator)* |
| This modification edits Appendix O, which addresses the Instruction Profiling function in SEM. It clarifies how Dispatch Instructions having the same Instruction Issue Time and Instruction Effective Time are handled. In addition, it documents how wind instructions are merged with MWOFs with the same Effective Time.  |
| **Legal Drafting Change***(Clearly show proposed code change using* ***tracked*** *changes, if proposer fails to identify changes, please indicate best estimate of potential changes)* |
| DispaTCh Instruction ValidationO.10 Dispatch Instructions for a Trading Day shall be sorted by Generator Unit, Instruction Effective Time and Instruction Issue Time. O.11 If multiple Dispatch Instructions with the same Instruction Effective Time but different Instruction Issue Times are issued for a Generator Unit, then the Dispatch Instruction with the latest Instruction Issue Time shall be used. For Dispatch Instructions having the same Instruction Issue Time and Instruction Effective Time, the Dispatch Instructions shall be ordered based on the following sequence of Instruction Codes:1. TRIP;
2. GOOP+PUMP
3. MWOF;
4. MXON;
5. SYNC;
6. GOOP;
7. WIND;
8. MXOF; and
9. DESY.

O.12 For Dispatch Instructions having a MWOF Instruction Code and equal Instruction Effective Times, the Dispatch Instruction with the largest Target Instruction Level shall be used.O.13 For two Dispatch Instructions having the same Instruction Effective Time, where the first Dispatch Instruction is defined as Dispatch Instruction A and the second Dispatch Instruction is defined as Dispatch Instruction B, the Instruction Code and Instruction Combination Code that shall be used for the resultant Dispatch Instruction are shown in Table O.2. For the avoidance of doubt, MWOF(x) is defined as Dispatch Instruction having an Instruction Code of MWOF and a Target Instruction Level of x MW. SYNC(x) is defined as Dispatch Instruction having an Instruction Code of SYNC and a Target Instruction Level of x MW. DESY(x) is defined as Dispatch Instruction having an Instruction Code of DESY and a Target Instruction Level of x MW. PGEN(x) is defined as a Dispatch Instruction having an Instruction Code of GOOP, an Instruction Combination Code of PGEN and a Target Instruction Level of x MW. CURL(x) is defined as a Dispatch Instruction having an Instruction Code of WIND, an Instruction Combination Code of CURL and a Target Instruction Level of x MW. CRLO(x) is defined as a Dispatch Instruction having an Instruction Code of WIND, an Instruction Combination Code of CRLO and a Target Instruction Level of x MW. LOCL(x) is defined as a Dispatch Instruction having an Instruction Code of WIND, an Instruction Combination Code of LOCL and a Target Instruction Level of x MW. LCLO(x) is defined as a Dispatch Instruction having an Instruction Code of WIND, an Instruction Combination Code of LCLO and a Target Instruction Level of x MW.**Table O.2 – Validation Rules for two Dispatch Instructions having the same Effective Time**

| **Instruction Code A** | **Instruction Combination Code A** | **Instruction Code B** | **Instruction Combination Code B** | **Resultant Instruction Code** | **Resultant Instruction Combination Code**  |
| --- | --- | --- | --- | --- | --- |
| MWOF(x) | n/a | SYNC | n/a | SYNC (x) | n/a |
| SYNC | n/a | MWOF(x) | n/a | SYNC (x) | n/a |
| MWOF(x) | n/a | DESY | n/a | DESY (x) | n/a |
| DESY | n/a | MWOF(x) | n/a | DESY (x) | n/a |
| MWOF(x) | n/a | GOOP | PGEN | GOOP  | PGEN (x) |
| GOOP  | PGEN | MWOF(x) | n/a | GOOP  | PGEN (x) |
| WIND | CURL | MWOF(x) | n/a | WIND | CURL(x) |
| WIND | CRLO | MWOF(x) | n/a | WIND | CRLO(x) |
| WIND | LOCL | MWOF(x) | n/a | WIND | LOCL(x) |
| WIND | LCLO | MWOF(x) | n/a | WIND | LCLO(x) |

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| **Modification Proposal Justification***(Clearly state the reason for the Modification)* |
| This modification aims to clarify issues raised by the auditors in relation to Instruction Profiling in Appendix O. As part of a previous modification, Mod\_37\_09v2, the text of O.11, which deals with the case where multiple Dispatch Instructions with the same Instruction Effective Time but different Instruction Issue Time are issued for a Generator Unit, was modified to state that the instructions should be ranked in the stated order and the highest ranked dispatch instruction should be used. This was identified by the auditors as being inaccurate. It is proposed to revert to the original text which describes the instructions as being ordered in such a case and reflects what happens in practice in the Instruction Profiler.In addition, it was identified by the auditors that certain rules applied by the Instruction Profiler to combine WIND and MWOF instructions do not appear in the T&SC. This modification adds them to Table O.2 for clarity and transparency and edits the description in O.13.  |
| **Code Objectives Furthered***(State the Code Objectives the Proposal furthers, see Section 1.3 of T&SC for Code Objectives)* |
| This modification aims to further Code Objective 1.3.5., namely :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)* |
| If this modification is not implemented, a lack of transparency will remain in the description of Instruction Profiling in Appendix O.  |
| **Working Group***(State if Working Group considered necessary to develop proposal)* | **Impacts***(Indicate the impacts on systems, resources, processes and/or procedures)* |
| No.  | No systems impact.  |
| ***Please return this form to Secretariat by email to*** *modifications@sem-o.com* |