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| **MODIFICATION PROPOSAL FORM** |
| **Proposer** | **Date of receipt** | **Type of Proposal** | **Modification Proposal ID** |
| **SEMO** | **11 September 2012** | **Standard**  | **Mod\_23\_12** |
| **Contact Details for Modification Proposal Originator** |
| **Name** | **Telephone number** | **Email address** |
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| **Modification Proposal Title** |
| **Minimum Stable Generation Correction** |
| **Documents affected** | **Section(s) Affected** | **Version number of T&SC or AP used in Drafting** |
| **T&SC** | **Appendix N, Glossary** | **V11.0 including changes for approved Mod\_42\_10v2** |
| **Explanation of Proposed Change***(mandatory by originator)* |
| Mod\_42\_10v2, which will become effective with the next scheduled release in November 2012, made changes to the Single Ramp Rate calculation. It also amended the definitions of **Minimum Stable Generation** and **Minimum Generation.** The certification review has commented that, as the amended Glossary definition of Minimum Stable Generation references a Code paragraph that refers to an Ex-Post calculation, this introduces a lack of clarity as to how Minimum Stable Generation is defined for Ex-Ante. This modification amends the Glossary definition previously amended in Mod\_42\_10v2. It also clarifies the use of Minimum Stable Generation in Ex-Ante MSP Software Runs. The text used is based on the current version of the T&SC (v11.0), combined with the changes that will become part of the T&SC when Mod\_42\_10v2 is implemented in the next release.  |
| **Legal Drafting Change***(Clearly show proposed code change using* ***tracked*** *changes, if proposer fails to identify changes, please indicate best estimate of potential changes)* |
| Derivation of Minimum Stable Generation N.41A For the purposes of each Ex-Ante One MSP Software Run, the values of Minimum Stable Generation for each Trading Period h in the Optimisation Time Horizon for all Price Maker Generator Units u that are not Under Test shall be set by the Market Operator to equal the Accepted Forecast Minimum Stable Generation Profile values which are submitted as part of Technical Offer Data as Accepted within the EA1 Gate Window, except that:1. for Pumped Storage Units the Minimum Stable Generation in Trading Period h shall be set to be equal to the Accepted Forecast Minimum Output Profile value submitted as part of Technical Offer Data as Accepted within the EA1 Gate Window ;
2. for Interconnector Units the Minimum Stable Generation in Trading Period h shall be set to be equal to whichever is the smaller in absolute magnitude of the Maximum Interconnector Unit Export Capacity and the Active Interconnector Unit Export Capacity Holding. If no Active Interconnector Unit Export Capacity Holding is available then a value of zero shall be used in its place.

N.41 B For the purposes of each Ex-Ante Two MSP Software Run, the values of Minimum Stable Generation for each Trading Period h in the Optimisation Time Horizon for all Price Maker Generator Units u that are not Under Test shall be set by the Market Operator to equal the Accepted Forecast Minimum Stable Generation Profile values which are submitted as part of Technical Offer Data as Accepted within the EA2 Gate Window, except that:1. for Pumped Storage Units the Minimum Stable Generation in Trading Period h shall be set to be equal to the Accepted Forecast Minimum Output Profile value submitted as part of Technical Offer Data as Accepted within the EA2 Gate Window ;
2. for Interconnector Units the Minimum Stable Generation in Trading Period h shall be set to be equal to the Maximum Interconnector Unit Export Capacity

N.41 C For the purposes of each Within Day One MSP Software Run, the values of Minimum Stable Generation for each Trading Period h in the Optimisation Time Horizon for all Price Maker Generator Units u that are not Under Test shall be set by the Market Operator to equal the Accepted Forecast Minimum Stable Generation Profile values which are submitted as part of Technical Offer Data as Accepted within the WD1 Gate Window, except that:1. for Pumped Storage Units the Minimum Stable Generation in Trading Period h shall be set to be equal to the Accepted Forecast Minimum Output Profile value submitted as part of Technical Offer Data as Accepted within the WD1 Gate Window ;
2. for Interconnector Units the Minimum Stable Generation in Trading Period h shall be set to be equal to the Maximum Interconnector Unit Export Capacity

N.42 For the purposes of each Ex-Post Indicative MSP Software Run, the values of Minimum Stable Generation for each Trading Period in the Optimisation Time Horizon for each Price Maker Generator Unit u (with the exception of each Interconnector Unit) that is not Under Test shall be set by the Market Operator as follows:1. for each Trading Period h within the first 18 hours of the Optimisation Time Horizon, these values shall be set to be equal to the Minimum Stable Generation (MINGENuh) values as calculated by the Market Operator in accordance with paragraph 4.49 or Section 5 as appropriate except that:
2. for each Pumped Storage Unit the Minimum Stable Generation in Trading Period h shall be set to be equal to the Minimum Output (MINOUTuh) as calculated by the Market Operator in accordance with paragraph 4.49;
3. for each of the remaining Trading Periods h in the Optimisation Time Horizon, these values shall be set to be equal to the value of Minimum Stable Generation as determined in paragraph N.42.1 for the last Trading Period h’ that is within the first 18 hours of that Optimisation Time Horizon.

N.42A For the purposes of each Ex-Post Indicative MSP Software Run or Ex-Post Initial MSP Software Run, the values of Minimum Stable Generation for each Trading Period in the Optimisation Time Horizon for each Interconnector Unit shall be set equal to the corresponding value of Minimum Output as determined in paragraph 5.75.N.42B For the purposes of each Ex-Post Initial MSP Software Run the values of Minimum Stable Generation for each Trading Period in the Optimisation Time Horizon for each Price Maker Generator Unit u that is not Under Test shall be set by the Market Operator to be equal to the Minimum Stable Generation (MINGENuh) values as calculated by the Market Operator in accordance with paragraph 4.49 except that:1. for Pumped Storage Units the Minimum Stable Generation in Trading Period h shall be set to be equal to the Minimum Output (MINOUTuh) as calculated by the Market Operator in accordance with paragraph 4.49; and
2. for each Interconnector Unit the Minimum Stable Generation in Trading Period h shall be set to be equal to the lesser of zero and the Interconnector Unit’s Modified Interconnector Unit Nomination.

GlossaryDefinitions

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| **Minimum Stable Generation** | means the quantity calculated as described in Section 4.49 and Appendix N .  |

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| **Modification Proposal Justification***(Clearly state the reason for the Modification)* |
| This modification further amends the Glossary definition of Minimum Stable Generation that was amended in Mod42\_10v2 and clarifies how Minimum Stable Generation is calculated for each of the MSP Software Runs. It arose as the certification review has commented that, as the amended Glossary definition of Minimum Stable Generation references a Code paragraph that refers to an Ex-Post calculation, this introduces a lack of clarity as to how Minimum Stable Generation is defined for Ex-Ante. |
| **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 This Modification Proposal aims to further Code Objective 1.3.5, namely::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)* |
| If this modification is not implemented, a lack of clarity will remain as to the definition of Minimum Stable Generation in the T&SC.  |
| **Working Group***(State if Working Group considered necessary to develop proposal)* | **Impacts***(Indicate the impacts on systems, resources, processes and/or procedures)* |
| No | No system impacts.  |
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| ***Please return this form to Secretariat by email to*** ***modifications@sem-o.com*** |

**Notes on completing Modification Proposal Form:**

1. **If a person submits a Modification Proposal on behalf of another person, that person who proposes the material of the change should be identified on the Modification Proposal Form as the Modification Proposal Originator.**
2. **Any person raising a Modification Proposal shall ensure that their proposal is clear and substantiated with the appropriate detail including the way in which it furthers the Code Objectives to enable it to be fully considered by the Modifications Committee.**
3. **Each Modification Proposal will include a draft text of the proposed Modification to the Code unless, if raising a Provisional Modification Proposal whereby legal drafting text is not imperative.**
4. **For the purposes of this Modification Proposal Form, the following terms shall have the following meanings:**

**Agreed Procedure(s): means the detailed procedures to be followed by Parties in performing their obligations and functions under the Code as listed in Appendix D “List of Agreed Procedures”.**

**T&SC / Code: means the Trading and Settlement Code for the Single Electricity Market**

**Modification Proposal: means the proposal to modify the Code as set out in the attached form**

**Derivative Work: means any text or work which incorporates or contains all or part of the Modification Proposal or any adaptation, abridgement, expansion or other modification of the Modification Proposal**

**The terms “Market Operator”, “Modifications Committee” and “Regulatory Authorities” shall have the meanings assigned to those terms in the Code.**

**In consideration for the right to submit, and have the Modification Proposal assessed in accordance with the terms of Section 2 of the Code (and Agreed Procedure 12), which I have read and understand, I agree as follows:**

**1. I hereby grant a worldwide, perpetual, royalty-free, non-exclusive licence:**

* 1. **to the Market Operator and the Regulatory Authorities to publish and/or distribute the Modification Proposal for free and unrestricted access;**
	2. **to the Regulatory Authorities, the Modifications Committee and each member of the Modifications Committee to amend, adapt, combine, abridge, expand or otherwise modify the Modification Proposal at their sole discretion for the purpose of developing the Modification Proposal in accordance with the Code;**
	3. **to the Market Operator and the Regulatory Authorities to incorporate the Modification Proposal into the Code;**

**1.4 to all Parties to the Code and the Regulatory Authorities to use, reproduce and distribute the Modification Proposal, whether as part of the Code or otherwise, for any purpose arising out of or in connection with the Code.**

**2. The licences set out in clause 1 shall equally apply to any Derivative Works.**

**3. I hereby waive in favour of the Parties to the Code and the Regulatory Authorities any and all moral rights I may have arising out of or in connection with the Modification Proposal or any Derivative Works.**

**4. I hereby warrant that, except where expressly indicated otherwise, I am the owner of the copyright and any other intellectual property and proprietary rights in the Modification Proposal and, where not the owner, I have the requisite permissions to grant the rights set out in this form.**

**5. I hereby acknowledge that the Modification Proposal may be rejected by the Modifications Committee and/or the Regulatory Authorities and that there is no guarantee that my Modification Proposal will be incorporated into the Code.**