|  |
| --- |
| **MODIFICATION PROPOSAL FORM** |
| **Proposer** | **Date of receipt** | **Type of Proposal** | **Modification Proposal ID** |
| **SEMO** | **29 January 2012** | **Standard**  | **Mod\_23\_12\_v2** |
| **Contact Details for Modification Proposal Originator** |
| **Name** | **Telephone number** | **Email address** |
| **Niamh Delaney** | 1. **2370321**
 | **niamh.delaney@sem-o.com** |
| **Modification Proposal Title** |
| **Minimum Stable Generation Correction Version 2** |
| **Documents affected** | **Section(s) Affected** | **Version number of T&SC or AP used in Drafting** |
| **T&SC****AP** | **T&SC Glossary; Agreed Procedure 4** | **V12.0** |
| **Explanation of Proposed Change***(mandatory by originator)* |
| Mod\_42\_10v2, which became effective in the November 2012 release, 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. In addition, Minimum Stable Generation is referenced in a number of Glossary definitions which refer to Ex-Ante quantities. Prior to Mod\_42\_10v2, Minimum stable Generation was used to refer to both a VTOD quantity and a profiled quantity. The VTOD quantity was renamed Minimum Generation in Mod\_42\_10v2. There are instances in the Glossary definitions where the use of Minimum Stable Generation in the Glossary definition should be amended to Minimum Generation. Proposed changes to these are made in this modification. The definition below now refers to a general Minimum Stable Generation quantity which has Ex-Ante and Ex-Post interpretations. An alternative option would be to define a Minimum Stable Generation Profile in addition to Minimum Stable Generation, which would be the Ex-Post profiled value, similar to the way in which Availability Profile is defined. However this would require extensive editing to the T&SC. Therefore, reverting to a general definition of Minimum Stable Generation is preferred.A further edit to the legal drafting will be required when an RA decision on Mod\_29\_12 is received ( definitions of Dwell Time Up Trigger Point and Dwell Time Down Trigger Point).  |
| **Legal Drafting Change***(Clearly show proposed code change using* ***tracked*** *changes, if proposer fails to identify changes, please indicate best estimate of potential changes)* |
|  GlossaryDefinitions

|  |  |
| --- | --- |
| Deload Break Point | means the break point which defines the shared MW boundary between the two Deloading Rates. The second Deloading Rate applies from Minimum Generation to the Deload Break Point, the first Deloading Rate applies from the Deload Break Point to 0 MW. |
|  Deloading Rate | means the rate at which a Generator Unit decreases Output below Minimum Generation. |
| Dwell Time Trigger Point | means a constant MW level at which a Generator Unit must remain while ramping up or down between Minimum Generation and Maximum Generation. |
| Loading Rate Cold | means the rate at which a Generator Unit increases Output from Block Load to Minimum Generation when it is instructed to Cold Start.  |
| Loading Rate Hot | means the rate at which a Generator Unit increases Output from Block Load to Minimum Generation when it is instructed to Hot Start. |
| Loading Rate Warm | means the rate at which a Generator Unit increases Output from Block Load to Minimum Generation when it is instructed to Warm Start. |
| Minimum Stable Generation | means the level of minimum sustainable Output which a Generator Unit is capable of producing.  |
| Soak Time Trigger Point Cold | means a constant MW level at which a Generator Unit must remain while loading up between zero MW and Minimum Generation after a Cold Start. |
| Soak Time Trigger Point Hot | means a constant MW level at which a Generator Unit must remain while loading up between zero MW and Minimum Generation after a Hot Start. |
| Soak Time Trigger Point Warm | means constant MW level at which a Generator Unit must remain while loading up between zero MW and Minimum Generation after a Warm Start. |

**Agreed Procedure 4**(abridged version of Table 9 below showing changes)**Table 9: Business Data per Element**

| **Class / Element** | **Screen Name** | **Comment** | **Data Category** |
| --- | --- | --- | --- |
| MPR / Generator Parameters | Resource Type | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PRED\_PR\_MAKER\_GEN, PRED\_PR\_TAKER\_GEN, VAR\_PR\_MAKER\_GEN, VAR\_PR\_TAKER\_GEN, AUTO\_PR\_TAKER\_GEN. | VRD |
|  | Resource Name | The name of the resource in question (e.g. the name of the Generator Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being submitted). | VRD |
|  | IM Resource Name | Reference ID to the unit’s injection point to the transmission system referenced in the Connection Agreement | VRD |
|  | Connection Point | Identifier of the Unit connection point (provided by the Transmission System Operators). | VRD |
|  | Connection Type | Will be "TRNS" if transmission system connected and "DIST" if distribution system connected. | VRD |
|  | Connection Agreement | Reference ID to the unit's and/or Participant's connection agreement. | VRD |
|  | Effective Date | Proposed date and time when Participant will become eligible to participate in the market.  | VRD |
|  | Expiry Date | Expiry Date | VRD |
|  | Dual Rated Generator Unit Flag | A flag Indicating that a Generator Unit is a Dual Rated Generator Unit. |  |
|  | Fuel Type | May be Oil (OIL), Gas (GAS), Coal (COAL), Multiple Fuel (MULTI), Wind (WIND), Hydro (HYDRO), Biomass (BIO), Combined Heat and Power (CHP), Pumped Storage (PUMP) Demand Side Unit (DEM)  | VRD |
|  | Secondary Fuel Type | May be Oil (OIL), Gas (GAS), Coal (COAL), Multiple Fuel (MULTI), Wind (WIND), Hydro (HYDRO), Biomass (BIO), Combined Heat and Power (CHP), Pumped Storage (PUMP) Demand Side Unit (DEM) | VRD |
|  | Minimum Stable Generation  | Registered Minimum Generation level in MW. | VTOD |
|  | Maximum Generation | Maximum Generation level, in MW.  | VRD |
|  | Number of Hours elapsed for Cold Sync time. | This is not utilised in the systems. This can be left as NULL in the Data Transaction |  |
|  | Number of Hours elapsed for Warm Sync time. | This is not utilised in the systems. This can be left as NULL in the Data Transaction |  |
|  | Number of Hours elapsed for Hot Sync time. | This is not utilised in the systems. This can be left as NULL in the Data Transaction |  |
|  | Pumped Storage Flag | May be Y, N or NULL - it will only be Y if the Unit is a pumped storage unit. | VRD |
|  | Energy Limit Flag | May be Y, N or NULL - it will only be Y if the Unit is a pumped storage unit. | VRD |
|  | Netting Generator Flag | Only applicable to PPMG, PPTG, VPMG, VPTG, APTG. It is a Y/N/Null field. Null for supplier, demand and interconnector. | VRD |
|  | Fixed Unit Load | Fixed linear factor used to calculate net output from a Generator Unit. Fixed Unit Load (FUL) ≥ 0 | VRD |
|  | Unit Load Scalar | Scalar quantity which approximates physical losses associated with a Generator Unit Transformer. Unit Load Scalar (ULS). 0 < ULS ≤ 1.  | VRD |
|  | Start-up End Point | This is not utilised in the systems. This can be left as NULL in the Data Transaction | VTOD |
|  | Droop | In relation to the operation of the governor of a Generator Unit, the percentage drop in System Frequency which would cause the Generator Unit under free governor action to change its output from zero to Full Load. (in %) | VRD |
|  | Number of Starts | Number of Starts available before maintenance of the unit when < 30 starts. Note: this value will be provided by Participants as part of their technical offer data. There will be no requirement to consider it in the optimization runs. | VRD |
|  | Number of Run Hours | Number of run hours available for a unit before maintenance when < 200 hours. Note: this value will be provided by Participants as part of their technical offer data. There will be no requirement to consider it in the optimization runs. | VRD |
|  | Minimum Reservoir Capacity  | For Pumped Storage. Minimum possible capacity for the reservoir (MWh). Reservoir levels must be the same for submissions from all Units Sharing the Reservoir. The value for the first unit by alphabetical order of the unit's name will be selected if the reservoir capacities differ. | VTOD |
|  | Maximum Reservoir Capacity | For Pumped Storage, reservoir levels must be the same for submissions from all Units Sharing the Reservoir. The value for the first unit by alphabetical order of the unit's name will be selected if the reservoir capacities differ. | VTOD |
|  | Modes of Operation | This is not utilised in the systems. This can be left as NULL in the Data Transaction | VRD |
|  | Identification of Unit location on grid. | Unique identifier of unit location. Multiple Unit IDs can exist for each Physical Location (e.g. Supplier Unit and Generator Unit). | VRD |
|  | Physical Location ID. | Name of unit location on the transmission system.  | VRD |
|  | Name of station or site where unit is located (multiple units per station). | Name of station or site where unit is located (there can be multiple units per station). | VRD |
|  | Identification of the Station  | Station ID defined by the Transmission System Operators. | VRD |
|  | Station address line 1 | Station Address line 1. | VRD |
|  | Station address line 2 | Station Address line 2. | VRD |
|  | Registered Firm Capacity | Total deep connected capacity designation for the unit.  | VRD |
|  | Non-Firm Access Quantity | Non-firm capacity for a unit in MW, i.e. part of a Generator Unit's Availability that does not have Firm Access.  | VRD |
|  | Commission Test Certificate | Acceptance of commission test for data and generation communication requirements.  | VRD |
|  | Old Resource Flag | To indicate if this is an old resource whose ownership is being changed/ or is being re-registered. | VRD |
|  | Old Resource Name | In case of a previously registered resource, this is to provide its previous registered resource identification. | VRD |
|  | Old Participant Name | Participant ID of the previous Participant (if applicable). Can be left NULL if not relevant. | VRD |
|  | Priority Dispatch Flag | Indication of a Unit's priority in the physical market schedule if in a tie to serve marginal demand. Will be Y or N and will be set in conjunction with the Transmission System Operator(s). | VRD |
|  | Unit Under Test Start Date | Date when the Unit is proposed to be under test. This will be approved by the Market Operator in conjunction with the Transmission System Operator(s).  | VRD |
|  | Unit Under Test End Date | Date when the Unit is proposed to complete its test. This will be approved by the Market Operator in conjunction with the Transmission System Operator(s). | VRD |
|  | Qualified Communication Channel | Indicator of the communication channels the unit has been qualified to utilise. | VRD |
|  | Jurisdiction | Jurisdiction for the resource - will be "ROI" or "NI". | VRD |
|  | Notification Comment | Used by the Market Operator and Participant to exchange notes with respect to that registration data.  |  |
|  | Trading Site Name | Name of the Trading Site to which the Generator Unit is associated. |  |
|  | Meter Registration ID | Identifier for metering purposes. |  |
|  | Data Exchange Test | Will be P (Pass) or F (Fail), depending on whether Market Operator data exchange testing is successful. | VRD |
|  | EB Licence number | Regulatory licence ID number for the Participant based on type of unit owned (e.g. Wind Generation, Demand-side, etc.).  | VRD |
|  | Electricity Commission License Effective Date | Electricity Commission License Effective Date. | VRD |
|  | Electricity Commission License Expiration Date | Electricity Commission License Expiration Date. | VRD |
|  | External ID | Optional text field that can be used to track submissions by Market Participants.  |  |
|  | Default Data Submission | This is a flag set by the Market Operator, and indicates whether Default Data has been submitted by the Market Participant for a Unit. |  |
|  |  |  |  |
| MI / Generator Technical Offer Data | Resource Name | Must be a valid Resource Name | VTOD |
|  | Resource Type | Must be a valid Unit Classification. | VTOD |
|  | Validation Data Set Number | Numerical identifier associated with a Validation Data Set |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful). |  |
|  | Block Load Flag | Will be “Yes” or “No”, depending on whether the Unit has block loading characteristics. | VTOD |
|  | Block Load Cold | Block Load in MW when the unit is in a cold state. | VTOD |
|  | Block Load Warm | Block Load in MW when the unit is in a warm state. | VTOD |
|  | Block Load Hot | Block Load in MW when the unit is in a hot state. | VTOD |
|  | Deloading Rate 1 | Deloading Rate in MW/min that applies for a Unit below the DELOAD\_BREAK\_PT to zero. | VTOD |
|  | Deloading Rate 2 | Deloading Rate in MW/min that applies for a Unit below Minimum Generation beyond DELOAD\_BREAK\_PT. | VTOD |
|  | Deload Break Point | MW level from which the deloading rate will change from DELOADING\_RATE\_1 to DELOADING\_RATE\_2. | VTOD |
|  | Minimum Time Sync Cold | This is not utilised in the systems. This can be left as NULL in the Data Transaction | VTOD |
|  | Minimum Time Sync Warm | The duration in hours off load that indicates the standby status change of the unit from Warm to Cold.  | VTOD |
|  | Minimum Time Sync Hot | The duration in hours off load that indicates the standby status change of the unit from Hot to Warm.  | VTOD |
|  | Start-Up Time Cold | Notification/Start-up times in hours for a unit considered to be in a cold state. | VTOD |
|  | Start-Up Time warm | Notification/Start-up times in hours for a unit considered to be in a warm state. | VTOD |
|  | Start-Up Time Hot | Notification/Start-up times in hours for a unit considered to be in a hot state. | VTOD |
|  | Dwell Time 1 | Time above Minimum Generation for which a Unit remains at a constant MW level before continuing to increase or decrease output. | VTOD |
|  | Dwell Time 2 | Time above Minimum Generation for which a Unit remains at a constant MW level before continuing to increase or decrease output. | VTOD |
|  | Dwell Time 3 | Time above Minimum Generation for which a Unit remains at a constant MW level before continuing to increase or decrease output. | VTOD |
|  | Dwell Time Trigger Point 1 | MW level at which DWELL\_TIMES\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Dwell Time Trigger Point 2 | MW level at which DWELL\_TIMES\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Dwell Time Trigger Point 3 | MW level at which DWELL\_TIMES\_3 should be observed before output can further increase or decrease. | VTOD |
|  | Loading Rate Cold 1 | Loading Up Rate in MW/min when a Unit is in a cold state that applies until LOADING\_UP\_BREAK\_PT\_COLD\_1. | VTOD |
|  | Loading Rate Cold 2 | Loading Up Rate in MW/min when a Unit is in a cold state that applies from LOADING\_UP\_BREAK\_PT\_COLD\_1 to LOADING\_UP\_BREAK\_PT\_COLD\_2. | VTOD |
|  | Loading Rate Cold 3 | Loading Up Rate in MW/min when a Unit is in a cold state that applies above LOADING\_UP\_BREAK\_PT\_COLD\_2. | VTOD |
|  | Loading Rate Warm 1 | Loading Up Rate in MW/min when a Unit is in a warm state that applies until LOADING\_UP\_BREAK\_PT\_WARM\_1 | VTOD |
|  | Loading Rate Warm 2 | Loading Up Rate in MW/min when a Unit is in a warm state that applies from LOADING\_UP\_BREAK\_PT\_WARM\_1 to LOADING\_UP\_BREAK\_PT\_WARM\_2 | VTOD |
|  | Loading Rate Warm 3 | Loading Up Rate in MW/min when a Unit is in a warm state that applies above LOADING\_UP\_BREAK\_PT\_WARM\_2 | VTOD |
|  | Loading Rate Hot 1 | Loading Up Rate in MW/min when a Unit is in a hot state that applies until LOADING\_UP\_BREAK\_PT\_HOT\_1. | VTOD |
|  | Loading Rate Hot 2 | Loading Up Rate in MW/min when a Unit is in a hot state that applies from LOADING\_UP\_BREAK\_PT\_HOT\_1 to LOADING\_UP\_BREAK\_PT\_HOT\_2. | VTOD |
|  | Loading Rate Hot 3 | Loading Up Rate in MW/min when a Unit is in a hot state that applies above LOADING\_UP\_BREAK\_PT\_HOT\_2. | VTOD |
|  | Loading Up Breakpoint Cold 1 | MW level from which the cold loading up rate will change from Loading Rate 1 to Loading Rate 2. | VTOD |
|  | Loading Up Breakpoint Cold 2 | MW level from which the cold loading up rate will change from Loading Rate 2 to Loading Rate 3. | VTOD |
|  | Loading Up Breakpoint Warm 1 | MW level from which the warm loading up rate will change from Loading Rate 1 to Loading Rate 2. | VTOD |
|  | Loading Up Breakpoint Warm 2 | MW level from which the warm loading up rate will change from Loading Rate 2 to Loading Rate 3. | VTOD |
|  | Loading Up Breakpoint Hot 1 | MW level from which the hot loading up rate will change from Loading Rate 1 to Loading Rate 2. | VTOD |
|  | Loading Up Breakpoint Hot 2 | MW level from which the hot loading up rate will change from Loading Rate 2 to Loading Rate 3. | VTOD |
|  | Minimum On-time | The minimum time that must elapse from the time a Generator Unit Starts-Up before it can be Shut-Down | VTOD |
|  | Maximum On-time | The maximum time that must elapse from the time a Generator Unit Starts-Up before it can be Shut-Down | VTOD |
|  | Minimum Off-time | The minimum time that a Generator Unit must remain producing no Active Power or Reactive Power commencing at the time when it stops producing Active Power or Reactive Power. | VTOD |
|  | Pumped Storage Cycle Efficiency | (PSCEuh) The ratio between the gross electrical energy consumed to pump a given quantity of water from the lower reservoir to the upper reservoir and the net electrical energy sent out through the release of that quantity of water from the upper reservoir | VTOD |
|  | Pumping Load Capacity | For Pumped Storage, the load consumed by unit during pumping phase (MW). | VTOD |
|  | Max Ramp Up Rate | Rate of load increase. Rate of decreasing demand (MW/min). | VTOD |
|  | Max Ramp Down Rate | Rate of load reduction. Rate of increasing demand (MW/min). | VTOD |
|  | Ramp Up Rate 1 | Ramp Up Rate in MW/min that applies until RAMP\_UP\_BREAK\_PT\_1. | VTOD |
|  | Ramp Up Rate 2 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_1 until RAMP\_UP\_BREAK\_PT\_2. | VTOD |
|  | Ramp Up Rate 3 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_2 until RAMP\_UP\_BREAK\_PT\_3. | VTOD |
|  | Ramp Up Rate 4 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_3 until RAMP\_UP\_BREAK\_PT\_4. | VTOD |
|  | Ramp Up Rate 5 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_5. | VTOD |
|  | Ramp Up Breakpoint 1 | MW level from which the ramp rate will change from Ramp Rate 1 to Ramp Rate 2. | VTOD |
|  | Ramp Up Breakpoint 2 | MW level from which the ramp rate will change from Ramp Rate 2 to Ramp Rate 3. | VTOD |
|  | Ramp Up Breakpoint 3 | MW level from which the ramp rate will change from Ramp Rate 3 to Ramp Rate 4. | VTOD |
|  | Ramp Up Breakpoint 4 | MW level from which the ramp rate will change to Ramp Rate 5. | VTOD |
|  | Ramp Down Rate 1 | Ramp Down Rate in MW/min that applies until RAMP\_DOWN\_BREAK\_PT\_1. | VTOD |
|  | Ramp Down Rate 2 | Ramp Down Rate in MW/min that applies from RAMP\_DOWN\_BREAK\_PT\_1 until RAMP\_DOWN\_BREAK\_PT\_2. | VTOD |
|  | Ramp Down Rate 3 | Ramp Down Rate in MW/min that applies from RAMP\_DOWN\_BREAK\_PT\_2 until RAMP\_DOWN\_BREAK\_PT\_3. | VTOD |
|  | Ramp Down Rate 4 | Ramp Down Rate in MW/min that applies from RAMP\_DOWN\_BREAK\_PT\_3 until RAMP\_DOWN\_BREAK\_PT\_4. | VTOD |
|  | Ramp Down Rate 5 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_5. | VTOD |
|  | Ramp Down Breakpoint 1 | MW level from which the ramp rate will change from Ramp Rate 1 to Ramp Rate 2. | VTOD |
|  | Ramp Down Breakpoint 2 | MW level from which the ramp rate will change from Ramp Rate 2 to Ramp Rate 3. | VTOD |
|  | Ramp Down Breakpoint 3 | MW level from which the ramp rate will change from Ramp Rate 3 to Ramp Rate 4. | VTOD |
|  | Ramp Down Breakpoint 4 | MW level from which the ramp rate will change to Ramp Down Rate 5. | VTOD |
|  | Start Forbidden Range 1  | MW level where restricted loading range (1) starts. Unit must move through this range as quickly as possible | VTOD |
|  | End Forbidden Range 1  | MW level where restricted loading range (1) ends. Unit must move through this range as quickly as possible. | VTOD |
|  | Start Forbidden Range 2  | MW level where restricted loading range (2) starts. Unit must move through this range as quickly as possible. | VTOD |
|  | End Forbidden Range 2  | MW level where restricted loading range (2) ends. Unit must move through this range as quickly as possible. | VTOD |
|  | Soak Time Hot 1 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a hot state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Hot 2 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a hot state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Warm 1 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a warm state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Warm 2 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a warm state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Cold 1 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a cold state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Cold 2 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a cold state before continuing to increase or decrease output. | VTOD |
|  | Trigger Point Hot 1 | MW level at which TRIGGER\_PT\_HOT\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Hot 2 | MW level at which TRIGGER\_PT\_HOT\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Warm 1 | MW level at which TRIGGER\_PT\_WARM\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Warm 2 | MW level at which TRIGGER\_PT\_WARM\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Cold 1 | MW level at which TRIGGER\_PT\_COLD\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Cold 2 | MW level at which TRIGGER\_PT\_COLD\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Short Term Maximisation Capacity above MAXGEN | Capacity above MAXGEN that can be sustained for a finite period of time (MW). | VTOD |
|  | Short Term Maximisation time | The duration in hours representing the length of time that Short-Term Maximisation can be sustained. | VTOD |
|  | Minimum Down Time  | Minimum amount of time the demand-side unit can be curtailed.(in Hours) | VTOD |
|  | Maximum Down Time | Maximum amount of time the demand-side unit can be curtailed.(in Hours) | VTOD |

 |
| **Modification Proposal Justification***(Clearly state the reason for the Modification)* |
| Following comments from the certification review, this modification further amends the Glossary definition of Minimum Stable Generation that was amended in Mod42\_10v2 to ensure that the definition is not too narrow to exclude Ex-Ante references to Minimum Stable Generation. The current Glossary definition references only the Ex-Post Minimum Stable Generation profiled value. In addition, a number of Glossary definitions reference Minimum Stable Generation instead of Minimum Generation. These references are also incorrect in Agreed Procedure 4 and are corrected in this modification.  |
| **Code Objectives Furthered***(State the Code Objectives the Proposal furthers, see Section 1.3 of T&SC for Code Objectives)* |
| 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.  |
| ***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.**