

Single Electricity Market

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| Modifications Committee Meeting MinutesMeeting 88dublin – eirgrid offices12 december 201810.30 – 3.00pm |

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Document History

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Comment** |
| 1.0 | 20 December 2018 | Modifications Committee Secretariat | Issued to Modifications Committee for review and approval |
| 2.0 | 4 January 2019 | Modifications Committee Secretariat | Committee and Observer review complete |

Distribution List

|  |  |
| --- | --- |
| **Name** | **Organisation** |
| Modifications Committee Members | SEM Modifications Committee |
| Modification Committee Observers | Attendees other than Modifications Panel in attendance at Meeting |
| Interested Parties | Modifications & Market Rules registered contacts |

Reference Documents

|  |
| --- |
| **Document Name** |
| [Trading and Settlement Code and Agreed Procedures: **Version 20.0**](http://www.sem-o.com/rules-and-modifications/balancing-market-modifications/market-rules/Part-A-TSC.docx) |
| [Trading and Settlement Code – Part B](http://www.sem-o.com/rules-and-modifications/balancing-market-modifications/market-rules/TSC-Part-B.docx) |
| [MOD\_37\_18 Housekeeping between V20 and V21](https://www.sem-o.com/documents/market-modifications/Mod_37_18/MOD_37_18_HosekeepingbetweenV20andV21.docx) |
| [MOD\_35\_18 Clarifications to the Dispute Process](https://www.sem-o.com/documents/market-modifications/MOD_35_18/Mod_35_18_ClarificationstoDisputeProcess.docx) |
| [MOD\_36\_18 Settlement Document and Invoice Terminology Clarifications](https://www.sem-o.com/documents/market-modifications/Mod_36_18/Mod_36_18SettlementDocumentandInvoiceTerminologyClarifications.docx) |
| [MOD\_32\_18 Removal of exposure for in merit generator units against BOA](https://www.sem-o.com/documents/market-modifications/MOD_32_18/Mod_32_18RemovalofexposureforinmeritgeneratorunitsagainstBOA.docx) |
| [MOD\_34\_18 Removal of MWPs for biased quantities and negative imbalance revenue and clarifications to determination of Start Up Costs Final](https://www.sem-o.com/documents/market-modifications/Mod_34_18/Mod_34_18_RemovalofMWPsforbiasedquantitiesandnegativeimbalancerevenueandclarificationstodeterminationofStartUpCostsFinal.docx) |
| [MOD\_38\_18 Limitation of Capacity Market Difference Payments to Metered Demand](https://www.sem-o.com/documents/market-modifications/Mod_38_18/Mod_38_18-LimitationofCapacityMarketDifferencePaymentstoMeteredDemand.docx) |
| [MOD\_33\_18 Update to Unit Under Test Process](https://www.sem-o.com/documents/market-modifications/Mod_33_18/Mod_33_18UpdatetoUnitUnderTestProcess.docx) |

In Attendance

|  |  |  |
| --- | --- | --- |
| Name | Company | Position |
| **Modifications Committee** |
| Barry Hussey | CRU | RA Member |
| Christopher Goodman | SEMO | MO Member |
| Gerry Halligan | ESB Networks | MDP Alternate |
| Julie-Anne Hannon (Chair) | Bord Gais | Supplier Member |
| William Steele | Power NI  | Supplier Member |
| Sinead O’Hare | Power NI PPB | Generator Member |
| Paraic Higgins | ESB | Generator Member |
| Karen Shiels | UREGNI | RA Alternate |
| Gemma McHale | NIE Networks | MDP Alternate |
| Mark Phelan | Electric Ireland | Supplier Alternate |
| Maeve Heaney | SONI | SO Alternate |
| Kevin Hannafin | Energia | Generator Member |
| Cormac Daly | Tynagh Energy | Generator Member |
| Anne Trotter | EirGrid | TSO Member |
| Katia Compagnoni | SEMO | MO Alternate |
| Robert McCarthy | Captured Carbon | DSU Alternate |
| **Secretariat** |
| Sandra Linnane | SEMO | Secretariat |
| **Observers** |
| Stacy Feldmann | SSE | Observer |
| Joe Devlin | PPB | Observer |
| Sean McParland | Energia | Observer |
| Paul McGuckin | Mutual Energy | Observer |
| David Gascon | Bordnamona | Observer |
| Martin Kerin | SEMO | Observer |
| Connor Powell | SSE | Observer |
| Gina Kelly | CRU | Observer |
| Tom Quinn | CRU | Observer |
| Adelle Woods | Bordnamona | Observer |
| Donna Kearney | TSO | Observer |
| Mark Needham | EirGrid | Observer |
| Simon Grimes | SEMO | Observer |

# Semo Update

Secretariat welcomed all attendees to the Modifications Meeting.

Minutes for Meeting 87 were read and approved and they will be published following the meeting.

**Programme of Work**

Secretariat confirmed that there was a high volume of modifications approved on the Programme of Work and that these were all being included in the Code Updates for V21. The FRR for MOD\_25\_18 had been completed and sent to the committee for review. It was explained that they will have until Tuesday, 18 December to provide any comments on this.

**Day 1+ and Day 2 Update**

D1+

Presenter from the I-SEM Project confirmed that D1+ will be staggered releases likely to be on a monthly basis though this could be extended slightly. Presenter advised that over the next few weeks there will be an update on the known issues report with regard to timelines for releases, which is updated on a weekly basis. Items such as Pricing and Resettlement, although not on the known issue report, will also be part of Day1+ and will be prioritised in the earlier releases next year (2019). The current expectation is that the releases would commence towards the end of January and that there would be at least three and possibly four releases which are yet to be confirmed.

Day 2

System changes are currently being scoped. Scope will not be finalised before May 2019. The MOUGs are the key forum through which one can influence the DAY 2 scope.

Observer asked the status of Day 2 following the recent PMG meeting on possible candidates for Day 2. It was advised that a new manager had recently been appointed to lead the Day 2 Project in SEMO and an update is expected to be provided to industry in January on Day 2 and the how participants will be engaged going forward on Day 2 scope, status etc. It will be 2020 before any Day 2 issues are going to be included in system releases.

# Review of Actions

|  |  |
| --- | --- |
| Mod\_03\_18 Autoproducer Credit Cover  | * Proposer to liaise with Working Group to develop version 2.0 of this proposal following the establishment of said Working Group - **Open**
* Secretariat to establish a Working Group – **Open**
* Secretariat to request extension for this modification to be placed on to D+2 - **Open**
 |
| Mod\_24\_18 Use of Technical Offer Data in Instruction Profiling / QBOA | * Proposer to explore the proposition for VTOD sets changing at other times during the day as part of the options for implementing the enduring text - **Open**
 |
| Mod\_30\_18 Market Back Up Price Amendment  | * SEMO to investigate what is involved in including the Intraday Market trades in the manual Market Backup Price calculation and to present this analysis at a future modifications panel meeting once real data is available so that consideration can be given as to whether there would be merit in proposing a further change – **frozen until review in Dec 2019.**
 |

John Rooney presented an update on the action for MOD\_30\_18 Market Back Up Price Amendment. It was confirmed that using the Intraday Trade Prices and Quantities would increase the time taken to complete the manual Market Back Up Price (PMBU) process from 10 minutes to 40 minutes and that analysis indicated that the differences in the PMBU since the start of I-SEM from including the Intraday Trade Price and Quantity data was less than 1% in every Imbalance Settlement Period. A Generator member suggested that the impact may be greater if more liquidity became available in the intraday market and expressed the view that the approach we take now should be reviewed in approximately one year time.

**Action:** Approach that is currently in operation to be re-assessed in approximately 12 months to determine whether there has been a material increase in intraday traded volumes and if such an increase justifies their inclusion in the PMBU calculation at that point

MO Member gave an update on the open action resulting from MOD\_24\_18 Use of Technical Offer Data (TOD) in Instruction Profiling / QBOA. This action has been postponed and it was queried how long the assessment and potential subsequent delivery of such a change would take. It was confirmed that this would depend on what other changes were being considered as well but allowing for within day Validation Technical Offer Data Set choice changes seems, intuitively, to be a complex change so that it is still unclear whether or not it would be viable. The RA member commented this item was discussed previously and that a review of treatment of TOD in UK was carried out during the I-SEM design discussions on foot of Participant comments that in-day changes were possible there. They noted that this investigation highlighted that, because the UK approach features self as opposed to central dispatch, it is not the same proposition as for I-SEM and therefore wasn’t really comparable. As a result UK participants bear the risk of any imbalances that arise from such TOD changes not being reflected in System Operator scheduling processes.

# Deferred Modifications Proposals

## mod\_03\_18 Autoproducer credit cover

The proposer for this modification, Thomas O’Sullivan was unable to attend the Modifications Meeting and sent his apologies. The secretariat provided an update on the Terms of Reference, confirming it had been finalised. Thomas O’Sullivan has offered to chair the upcoming Working Group and there will be a communication sent next week with provisional dates and request of expression of interest.

# New Modifications Proposals

## mod\_37\_18 Housekeeping between V20 and v21

The proposer delivered a [presentation](https://www.sem-o.com/documents/market-modifications/Mod_37_18/Mod_37_18_Housekeeping__35_18_Disputes__36_18_SD.pptx) detailing some housekeeping changes that came to light during T&SC updates for Version 21. After circulation of the Mod, a further review of Part C found 2 additional minor changes that can be included in legal drafting of the final recommendation report. A provisional version 21 has been published on the SEMO website as reference of all the effective Modifications on the baseline applied as per each FRR. Also highlighted are potential future modifications.

Decision

This Proposal was Recommended for Approval with the inclusion of the additional minor changes in the FRR.

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| **Recommended for Approval**  |

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| **Recommended for Approval by Unanimous Vote** |
| Julie Anne Hannon (Chair) | Supplier Member | Approve |
| Robert McCarthy | DSU Alternate | Approve |
| Philip McDaid | Supplier Member | Approve |
| William Steele | Supplier Member | Approve |
| Paraic Higgins | Generator Member | Approve |
| Sinead O’Hare | Generator Member | Approve |
| Mark Phelan | Supplier Alternate | Approve |
| Kevin Hannafin | Generator Member | Approve |
| Cormac Daly | Generator Member  | Approve |

**Actions:**

* Secretariat to draft Final Recommendation Report - **Open**

## mod\_35\_18 Clarification to dispute process

The proposer delivered a [presentation](https://https:/www.sem-o.com/documents/market-modifications/MOD_35_18/Mod_37_18_Housekeeping__35_18_Disputes__36_18_SD.pptx) around the practicality of the current dispute process. Currently if issues are resolved at the end of the available time for resolution, either because of the length of time needed for the assessment or because a meeting could not be organised anytime earlier, participants would not have sufficient time to consider a referral to a DRB. This is because the timelines are 5WD from issue of Dispute Notice for both resolution and referral to DRB.

The presentation also addressed clarifications on when a manifest error is declared and highlighted a drafting error to be corrected in the FRR as the word ‘material’ had been used instead of ‘manifest’. Currently the identification of manifest error is bound to 5 working days which excludes the period of dispute resolution. The presenter also discussed the application of thresholds and proposed some changes to the text to clarify that they should be used in all Dispute types but clarified that all disputes will be investigated, and it is only the decision around the resolution of the dispute that is subject to the threshold criterion.

A discussion ensued around the proposed 6 working days for referral to a DRB and also the turnaround of 5 working days for assessment. It was pointed out by generator members that there is a lot more data now than there was previously and the 5 days was too short of a timeline to complete the analysis.

A suggestion was made that the proposed 6 working days for referral to a DRB be extended out to 8 working days so that the assessment could be completed in the first 5 days maximum leaving an extra 3 days to consider a referral and make a decision. It was agreed that the new SEM is more complex with more data and inconsistencies however this Modification did not seek to extend the timeframe to raise and assess a Dispute, as no immediate issues were identified so far by the Market Operator. The Modification only tried to address current inconsistencies in the process. Changes in the assessment would require a wider market discussion as those tight timelines were put in place to strike a balance between having the ability of correcting pricing errors and having stability in price. Supplier Member mentioned that they would not view favourably an increase in timelines for raising or assessing a dispute and such change should be raised as a separate Modification to be debated more widely.

Proposer confirmed that the change from 6 to 8 working days to refer a Dispute can be made in the FRR legal drafting but other changes were outside the scope of this Modification.

Decision

This Proposal was Recommended for Approval subject to two changes to be captured in the FRR: change of the word ‘material’ to ‘manifest’ and changes of 6WDs to 8WDs for referral of a Dispute to DRB in both section B and AP.

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| **Recommended for Approval**  |

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| --- |
| **Recommended for Approval by Unanimous Vote** |
| Julie Anne Hannon (Chair) | Supplier Member | Approve |
| Robert McCarthy | DSU Alternate | Approve |
| Philip McDaid | Supplier Member | Approve |
| William Steele | Supplier Member | Approve |
| Paraic Higgins | Generator Member | Approve |
| Sinead O’Hare | Generator Member | Approve |
| Mark Phelan | Supplier Alternate | Approve |
| Kevin Hannafin | Generator Member | Approve |
| Cormac Daly | Generator Member  | Approve |

**Actions:**

* Secretariat to draft Final Recommendation Report - **Open**

## mod\_36\_18 settlement document and invoice terminology clarification

The proposer delivered a [presentation](https://www.sem-o.com/documents/market-modifications/MOD_35_18/Mod_37_18_Housekeeping__35_18_Disputes__36_18_SD.pptx) relating to the ambiguity in the use of the defined term Settlement Document within areas of the code. This would affect documents being issued, payment timelines and knock on effects from ambiguity such as settlement reports.

SEMO do not issue settlement reports for Market Operator charges and the legal drafting of the Mod removed references and updated errors. The proposer summarised that this modification would correct errors and ambiguity to further increase transparency.

The RAs questioned why paragraph 7 referred to sets of 4 settlement statements. The proposer confirmed it was 4 sets of 2 reports and that was an important detail.

Minor changes were proposed around the titles in the AP and whether a heading should all be capitalised or not. This is to be addressed in the FRR legal drafting.

Decision

This Proposal was Recommended for Approval.

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| **Recommended for Approval**  |

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| --- |
| **Recommended for Approval by Unanimous Vote** |
| Julie Anne Hannon (Chair) | Supplier Member | Approve |
| Robert McCarthy | DSU Alternate | Approve |
| Philip McDaid | Supplier Member | Approve |
| William Steele | Supplier Member | Approve |
| Paraic Higgins | Generator Member | Approve |
| Sinead O’Hare | Generator Member | Approve |
| Mark Phelan | Supplier Alternate | Approve |
| Kevin Hannafin | Generator Member | Approve |
| Cormac Daly | Generator Member  | Approve |

**Actions:**

* Secretariat to draft Final Recommendation Report - **Open**

## mod\_32\_18 Removal of exposure for “in merit” generator units against boa

The proposer delivered a [presentation](https://https:/www.sem-o.com/documents/market-modifications/MOD_32_18/Mod_32_18-slides.pptx) detailing plant exposure to difference charges as a result of system constraints in the Balancing Market.

A Generator Member began the discussion highlighting that since the start of I-SEM there has been a number of these events and raised the question of whether flagging and tagging is being done correctly. It was agreed that there is more work to be done on this modification and also to clarify why certain prices are coming through as they are.

The RAs confirmed that they are aware that there were concerns around price and that a Working Group would probably be beneficial to discuss the concerns around exposure. However, they would not be in favour of re-opening policy matters so early in the market and if the resulting Modification only seeks to adjust current rules instead of changing the market design it would have more chances to be considered favourably by the SEM Committee. A Generator Member questioned why complex orders were not cited together with simple and that partial dispatch should be covered as well as full dispatch. The proposer took the suggestion on board, although they considered a partial dispatch already covered by the definition of Replacement Reserve. It was agreed that the MO and the TSOs should get more involved on a working group if one is set up. The discussion then turned to wider issues of Flagging and Tagging and whether the Panel should be looking at the bigger picture of why these incidents are happening before being able to decide on the merit of this proposal. Although it was agreed that the Panel would require further details on the Flagging and Tagging process it was also agreed that this would be a discussion that is much bigger than the issue the Mod is trying to address and that it should be discussed in a different forum but that details on Flagging and Tagging required to help inform the appropriate direction of this Modification could be covered in discussions. RA Member mentioned that a timeframe of March had been considered as good time for looking back at the first few months of the Market. A Generator Member questioned if that would be too late given that the Generators are exposed to risks that they have no control over and expressed the preference to have this addressed in time for the winter period. Concerns arose about rushing through a change that might not address the issue fully and a Working Group was agreed.

Decision

This Proposal was deferred.

**Actions:**

* Secretariat to draft and circulate Terms of Referencefor a Working Group**- Open**
* Secretariat to establish a timeframe for a Working Group – **Open**

## mod\_34\_18 removal of mwps for biased quantities and negative imbalance revenue, and small clarifications to determination of start up costs final

Proposer delivered a [presentation](https://https:/www.sem-o.com/documents/market-modifications/Mod_34_18/Mod_34_18-MartinKerin.pptx) about the Imbalance Component in revenues for the Make-Whole Payment calculation. This modification changes the equation to explicitly reference balancing market quantities only, and to align quantities considered in costs and revenues, so that negative imbalance revenues will not be recovered and costs will not be recovered for a quantity that is not considered a balancing quantity (biased) or is intended to be settled at the imbalance price only (Trade Opposite TSO, Non-Firm).

The justification of this is to stop over-recovering of costs, in particular that some costs being recovered do not reflect the intended market design of recovering Start-up and No-Load costs. An observer questioned whether previous payment would be resettled. The proposer reassured all that this was a change request rather than a defect fix and it would not be appropriate to seek a resettlement for the past periods. However given the magnitude of the impact and the fact that the intent of the rules is to only recover incurred costs, the proposer seeks to apply the equation change from date of decision by the RAs instead of the date of the system change. This would mean that for a number of months some Generators would be over recovering costs that would be resettled at a later date.

A discussion began around the magnitude of this modification and the knock on impact to generators in particular in managing their cash flow and assessing the magnitude of the over recovery and subsequent resettlement. Supplier Member acknowledged Generator’s difficulties but expressed concerns that if this issue was not addressed timely there would be an ever increasing amount that would end up in Imperfection Charges that had not been factored in. It was asked to the proposer if there were any means to assist both Suppliers and Generators in assessing the amount that would end up in the Imperfection Charges and the daily impact to Generators going forward. The proposer agreed that a full analysis could be carried out to verify the full impact so far as the analysis to date focussed on a subset of Generators that were more easily identifiable as affected as no cost recovery was expected for them. This analysis showed that approximately €800,000/ month had been incorrectly paid out to generators in make whole payments. The proposer also agreed to make available to Generators a calculation template that would assist in their daily assessment going forward in advance of the Resettlement. An Observer questioned whether the MO would be in breach if the error still persisted in the system after the change would be made effective from the date of the RAs decision and prior to system changes being implemented. MO Alternate clarified that this would not be a breach because of the system constraints and because there would be a plan for resettling based on the corrected equation. RA Member also highlighted that the magnitude of the analysis carried out by the MO indicated that the issue was very material and whatever the decision from the Panel the RAs may take the view that it would be appropriate to make this change as soon as possible although it was recognised that retroactive changes would not be appropriate in normal circumstances. A Generator Member also raised concerns that the scenario testing was limited to only 5 scenarios and was worried about unintended consequences to other calculations. A Supplier Member responded that he did not feel comfortable in dictating what type of testing should be carried out as this should be done appropriately by SEMO’s IT department. Another Generator Member suggested an additional scenario for testing cases where Units were two shifted in Euphemia but not compensated even though they had sent their PNs through accordingly. Proposer agreed that this scenario could be also considered for testing. Testing cases were not necessarily limited in number but had been designed to accommodate the possible iterations of the equation and followed the standard testing process; however, if Participants thought of further scenarios and sent them in promptly by cob Wed 19th of December, these could also be considered. DSU Alternate question whether Resettlement could happen on an ad-hoc basis via Formal Settlement Queries should the amount be of high materiality. The MO replied that this should be the case once the system changes and the Resettlement facilities were in place but that SEMO will look into a possible workaround for these circumstances. It was agreed that this is very complex algebra and approval for this modification could only occur if the below actions were carried out prior to the decision. The RAs agreed that they could make their Decision dependent on the resolution of such actions.

Decision

This Proposal was Recommended for Approval pending resolution of actions below.

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| **Recommended for Approval**  |

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| **Recommended for Approval by Unanimous Vote** |
| Julie Anne Hannon (Chair) | Supplier Member | Approve |
| Robert McCarthy | DSU Alternate | Approve |
| Philip McDaid | Supplier Member | Approve |
| William Steele | Supplier Member | Approve |
| Paraic Higgins | Generator Member | Approve |
| Sinead O’Hare | Generator Member | Approve |
| Mark Phelan | Supplier Alternate | Approve |
| Kevin Hannafin | Generator Member | Approve |
| Cormac Daly | Generator Member  | Approve |

**Actions:**

* SEMO to provide an estimated value to date for impact on Imperfection Tariff (SEMO will endeavour to have an estimate before the decision however a final assessment may require longer) - **Open**
* SEMO to provide a summary of the knock on impact to generators to date and examples of cases analysed (required prior to decision) - **Open**
* SEMO to provide details on the potential template that can be used to forecast the impact to generators going forward (required prior to decision) - **Open**
* SEMO to organise a Q&A session for all participants in relation to the use of the template (not required prior to decision but intended to be held in a timely manner after decision) – **Open**
* SEMO to review design testing scenarios to include additional PTs suggestions such as Euphemia two shifts cases and any new additional ones to be sent in by Wed 19th Dec 2018 (required prior to decision) – **Open**
* SEMO to look into the application of a workaround to apply in settlement to allow for resettlement on an ad-hoc basis if an upheld Formal Settlement Query is of high materiality (not required prior to decision) - **Open**
* RAs to provide for the resolution of these actions to be considered in the Decision Letter – **Open**
* Secretariat to draft Final Recommendation Report - **Open**

## mod\_38\_18 limitation of capacity market difference payments to metered demand

The proposer delivered a [presentation](https://www.sem-o.com/documents/market-modifications/Mod_38_18/Mod_38_18.pptx) to confine the protection from high prices to the Supplier’s Unit’s Metered Quantity and thus align Difference Payments with Difference Charges.

This modification is intended to reduce the potential for an aspect of the hole-in-the-hedge which was not considered during market design of the fact that difference charges are capped by actual demand while difference payments have no such cap. It is also intended to improve the incentive on suppliers to be balance responsible by preventing certain potentially perverse incentives of suppliers benefitting by trading intentionally out of balance. These are intended to be done in a way which maintains the core of the capacity market design that customers won’t have to pay above the strike price for the power they consume.

A Supplier Member asked for the reasoning behind the above and had there been any instances of this happening. Proposer confirmed that this had been spotted as a potential event and a SEMO representative stated there was a concern about market exposure. Observer also pointed out that, although there had been no cases since go live, an event was observed during Market Trial, which is why the issue with the calculation as currently in place originally came to light. A Supplier Member stated that the scenario would be very unlikely as it would require perfect forecasting of all prices to be greater than the Strike Price. Observer replied that this could be possible for example in the event of a system outage when there would be certainty of the Back Up Price being used. A Generator Member said that this would be a clear Market Manipulation issue and that it would be a matter for REMIT and the RAs’ Market Monitor to deal with as opposed to adding further regulation. A question was raised whether Assetless Units should also be considered for the change and proposer replied that Assetless Units do not get Different Payments therefore they would not be affected.

Due to time constraints it was agreed that this modification would be deferred and participants could take the time to review the slides and what was being proposed to discuss it further at the next meeting.

Decision

This Proposal was deferred.

**Actions:**

* SEMO to circulate presentation for further analysis.

## mod\_33\_18 Update to Unit Under Test process

Due to time constraints, it was agreed that this proposal would be brought forward to Meeting 89 in 2019.

Decision

This Proposal was deferred

# AOB/upcoming events

Summary of Upcoming Proposals

Secretariat thanked all for attending and confirmed that Modifications Meeting 89 has been provisionally scheduled for Thursday, 21 February 2019.

# Appendix 1 – Programme of Work as Discussed at Meeting 88

|  |
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| **Status as at 12 December 2018** |
| **Modification Proposals ‘Recommended for Approval’ without System impacts** |
| **Title** | **Sections Modified** | **Sent** |
| MOD\_25\_18 Part B Unsecured Bad Energy Debt & Unsecured Bad Capacity Debt Timelines & Correction | T&SC Part B Section GGlossary Part BAgreed Procedure 15 Sections 2 and 3 | Committee review by 18 December |
| **Modification Proposals ‘Recommended for Approval ’ with System impacts** |
| N/A | N/A | N/A |
| **Modification Proposals ‘Recommended for Rejection’** |
| N/A | N/A | N/A |
| **RA Decision ‘Further Work Required’** |
| N/A | N/A | N/A |
| **RA Decision Approved Modifications with System Impacts** |
| Mod\_03\_17 Treatment of Transmission Losses for Trading Sites with Contiguous Auto producers in I-SEM | I-SEM TSC F.4 | 19 October 2017 |
| **RA Decision Approved Modifications with no System Impacts** |
| Mod\_02\_17 Unsecured Bad Energy Debt and Unsecured Bad Capacity Debt Timelines | T&SC Section 6.5AP15 | 27 September 2018 |
| Mod\_06\_17 Transitional Credit Cover Provisions | Part C Introduction, Part C Section 11, Part C Glossary and Part C Appendix | 26 February 2018 |
| Mod\_14\_17 Part B Suspension When Suspended Under Part A | T&SC Part B Section B.18.3.1 | 29 March 2018 |
| Mod\_14\_18 Change to timing of publication of Trading Day Exchange Rate  | T&SC Part BPart B Appendix EAgreed Procedures Part BGlossary Part B | 27 August 2018 |
| Mod\_17\_18 Transitional Provisions for Cutover | Part C Sections 12 through 14 (new sections) | 27 September 2018 |
| Mod\_04**\_**17 Solar in the Single Electricity Market | Noted in proposal form | 24 October 2017 |
| Mod\_5\_17 Amendment to Part B Form of Authority for the purpose of removing the Restricted Authority provision | Appendix C – Form of Authority | 24 October 2017 |
| Mod\_07\_17 : Credit Assessment Volume for Generator Units | T&SC Part B Clause G.14.4.1Glossary Part BDefinition - Credit Assessment Volume Variable - VCAG | 6 February 2018 |
| Mod\_08\_17 : Decremental Price Quantity Pair Submission | T&SC Part B D.4.1.1, D.4.4.2, D.4.4.10, D.4.4.11 | 6 February 2018 |
| Mod\_09\_17 : Solar in I-SEM | See Mod Proposal | 6 February 2018 |
| Mod\_10\_17 Ex-Ante Quantities Deferral | Section FF.5.2.6F.5.2.7F.5.2.8F.5.2.9Section H.8H.8.1H.8.2H.8.3H.8.4 | 26 February 2018 |
| Mod\_11\_17 : Deferral of Information Imbalance Charges | Part B Section H.6Part B Appendix G paragraph 14Part B Glossary | 9 February 2018 |
| Mod\_12\_17Outage Adjusted Wind and Solar Forecast Reports | Part B Appendix E Table 4Part B AP06 Appendix 2 | 29 March 2018 |
| Mod\_13\_17 Deferral of SEMO NEMO Credit Reports and Non Acceptance of Contracted Quantities | Part B clauses G.12.2, G.12.3, F.2.2.3, B.19.2.1, H.9 and H.10Part B Agreed Procedure 09 sections 2.5.2 and 3.1New Glossary Definition – Mod\_XX\_17 Deployment Date | 22 June 2018 |
| Mod\_15\_17 Credit Treatment for Adjusted Participants | T&SC Part B;G.12.4.3, G.14.1.2, G.14.1.3, G.14.3, G.14.3.1, G.14.3.2, G.14.3.3, G.14.4, G.14.4.1, G.14.4.2, G.14.5, G.14.5.1, G.14.5.2, G.14.6, G.14.6.1, G.14.8 and G.14.8.1Glossary Part B;Adjusted Participant, Credit Assessment Adjustment Factor and Variable FCAAAgreed Procedures Part B;2.11.2 | 29 March 2018 |
| Mod\_16\_17 Funding in Relation to Eirgrid/SONI Payment Obligations | T&SC Part BGlossary Part B | 20 April 2018 |
| Mod\_17\_17 Recovery of Costs due to Invalid Ex-Ante Contracted Quantities in Imbalance Settlement | T&SC Part BSection G | 20 April 2018 |
| Mod\_18\_17 Net Inter Jurisdictional Flow Submission  | Appendices – Appendix LGlossaryAgreed Procedure 16 – 1.2, 2.2, 2.3, Appendix 1 | 27 September 2018 |
| Mod\_04\_18 Reporting and Publication for Operational Schedules, Dispatch Instructions, Forecast Availability and SO Trades  | Part B Appendix E Tables 4 and 8 new Table 10Part B Agreed Procedure 6 Appendix A | 20 June 2018 |
| Mod\_05\_18 Clarification of Administered Scarcity Pricing function for scenarios not yet covered in rules | T&SC Part BSection E.4.2, E.4.3 | 20 June 2018 |
| Mod\_06\_18 Clarification of Marginal Energy Action Price calculation including scenario when all actions are flagged | T&SC Part BE 3.4.2 | 21 June 2018 |
| Mod\_07\_18 Clarification of use of variable “b” in NIV and PAR tagging scenarios | Appendix N | 27 August 2018 |
| Mod\_08\_18 Clarification of rules used to determine the value of Price Average Reference Tag (TPAR) | Appendices Part BAppendix N clauses 11,12 and 13 | 21 June 2018 |
| Mod\_09\_18 Interim Credit Treatment for Participants with Trading Site Supply Units | T&SC Part BGlossary Part BSection H | 27 August 2018 |
| Mod\_10\_18 Amendment to Capacity Settlement Publication from Monthly to Daily | Part B section G.2.5.2Part B Agreed Procedure 15 section 3.2 (Table and Swimlanes) | 20 June 2018 |
| MOD\_11\_18 Correction of Minor Material Drafting Errors | Sections F&G | 20 June 2018 |
| Mod\_13\_18 Calculating Obligated Capacity Quantities for Units Not Yet Commissioned | T&SC Part BSection F | 27 August 2018 |
| Mod\_15\_18 Clarifications for Instruction Profiling | Appendix O | 27 August 2018 |
| Mod\_16\_18 Interim Suspension Delay Periods | Part B Section H Glossary | 27 August 2018 |
| Mod\_19\_18 Part B Housekeeping 1 | Part B Sections B, E, F and GPart B Appendices E, H and IPart B Glossary Definitions and List of Variables and Parameters | 27 September 2018 |
| Mod\_20\_18 Agreed Procedures Update V2 | Agreed Procedure 1 Section 2Agreed Procedure 4 Section 2Agreed Procedure 15 Section 2Agreed Procedure 17 Section2 | 27 September 2018 |
| Mod\_21\_18 Application of Settlement Reallocation Agreements to Market Operator Charges & Settlement Document Definition & Usage | Section 5 of TSC, Part B | 27 September 2018 |
| Mod\_22\_18 Part B Credit Cover Signage and Subscript Correction | Part B Section G.14Part B Glossary List of Subscripts | 27 September 2018 |
| Mod\_24\_18 Use of Technical Offer Data In Instruction Profiling / QBOA | Chapter HAppendix O | 27 September 2018 |
| Mod\_26\_18 Market Back Up Price Reference Corrections | Part B Sections E and G | 27 September 2018 |
| Mod\_28\_18 Ordering of Pseudo Dispatch Instructions for QBOA with the same instruction Issue Time and Instruction Effective Time | Appendix O | 27 September 2018 |
| Mod\_29\_18 Part B Schedule Production Cost Definition | Definitions | 27 September 2018 |
| Mod\_30\_18 Market Back Up Price Amendment | Part B Section E | 27 September 2018 |
| Mod\_31\_18 Imbalance Pricing During Outages of the Imbalance Pricing System | Part B Section E.2.2.3 | 27 September 2018 |
| **RA Decision Rejected** |
| Mod\_27\_18 Interim arrangements in Appendix O for Instruction Profiling and Bid Offer Acceptance Quantity Outcomes in a Subset of Undo Scenarios | Chapter H | 27 September 2018 |
| **AP Notifications** |
| Mod\_01\_18 Notification of Suspension to SEM NEMOs | AP 18 Suspension and TerminationSection 3.3 – Issuing a Suspension Order | 5 April 2018 |
| Mod\_02\_18 Meter Data Publication Timing | AP06 Appendix 2 – Report Listing | 27 September 2018 |
| Mod\_12\_18 Modification to Part B Agreed Procedure 17 | Agreed Procedure 17 Part B | 27 September 2018 |
| MOD\_23\_18 Payment and Invoice Day Exchange for Part A Currency Costs Post Cutover | Part A Agreed Procedure 15 Appendix 1 | 27 September 2018 |
| **Withdrawal Notifications** |
| Mod\_18\_18 Transitional Regulatory Reporting | Part C section 16 (new section) | N/A |
| **Modification Proposal Extensions** |
| Mod\_03\_18 Autoproducer Credit Cover | G4 to G15 | N/A |
| * **Meeting 88 –12 December 2018 – Dublin**
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