

Single Electricity Market

|  |
| --- |
| Final REcommendation ReportMod\_04\_18 reporting and publication for operational schedules, dispatch, instruction, forecast, availability and so trades 10 may 2018  |

COPYRIGHT NOTICE

All rights reserved. This entire publication is subject to the laws of copyright. This publication may not be reproduced or transmitted in any form or by any means, electronic or manual, including photocopying without the prior written permission of EirGrid plc and SONI Limited.

DOCUMENT DISCLAIMER

Every care and precaution is taken to ensure the accuracy of the information provided herein but such information is provided without warranties express, implied or otherwise howsoever arising and EirGrid plc and SONI Limited to the fullest extent permitted by law shall not be liable for any inaccuracies, errors, omissions or misleading information contained herein.

Document History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Comment** |
| 1.0 | 10 May 2018 | Modifications Committee Secretariat | Issued to Modifications Committee for review and approval |
| 2.0 | 25 May 2018 | Modifications Committee Secretariat | Issued to Regulatory Authorities for final decision |

Reference Documents

|  |
| --- |
| **Document Name** |
| [Trading and Settlement Code](http://www.sem-o.com/MarketDevelopment/MarketRules/TSC.docx) |
| [Modification Proposal](http://www.sem-o.com/MarketDevelopment/ModificationDocuments/Mod_04_18%20Reporting%20and%20Publication%20for%20Operational%20Schedules%2C%20Dispatch%20Instructions%2C%20Forecast%20Availability%20and%20SO%20Trades.docx) |
| [Presentation](http://www.sem-o.com/MarketDevelopment/ModificationDocuments/Mod_04_18%20Reporting%20and%20Publication%20for%20Operational%20Schedules%2C%20Dispatch%20Instructions%2C%20Forecast%20Availability%20and%20SO%20Trades.pptx) |
|  |
|  |

Table of Contents

[1. MODIFICATIONS COMMITTEE RECOMMENDATION 3](#_Toc513724873)

[**Recommended for approval– unanimous Vote** 3](#_Toc513724874)

[2. Background 3](#_Toc513724875)

[3. PURPOSE OF PROPOSED MODIFICATION 3](#_Toc513724876)

[**3A.) justification of Modification** 3](#_Toc513724877)

[**3B.) Impact of not Implementing a Solution** 4](#_Toc513724878)

[**3c.) Impact on Code Objectives** 4](#_Toc513724879)

[4. Assessment of Alternatives 4](#_Toc513724880)

[5. Working Group and/or Consultation 4](#_Toc513724881)

[6. impact on systems and resources 4](#_Toc513724882)

[7. Impact on other Codes/Documents 4](#_Toc513724883)

[8. MODIFICATION COMMITTEE VIEWS 5](#_Toc513724884)

[**Meeting 81 – 13 March 2018** 5](#_Toc513724885)

[9. Proposed Legal Drafting 5](#_Toc513724886)

[10. LEGAL REVIEW 5](#_Toc513724887)

[11. IMPLEMENTATION TIMESCALE 5](#_Toc513724888)

[1 Appendix 1: Mod\_04\_18 reporting and publication for operational schedules, dispatch instructions, forecast availability and so trades 6](#_Toc513724889)

# MODIFICATIONS COMMITTEE RECOMMENDATION

## Recommended for approval– unanimous Vote

|  |
| --- |
| **Recommended for Approval by Unanimous Vote**  |
| Cormac Daly | Generator Member | Approved |
| Brian Mongan | Generator Member | Approved |
| William Steele | Supplier Member | Approved |
| Jim Wynne | Supplier Member | Approved |
| Julie-Anne Hannon (Chair) | Supplier Member | Approved |

# Background

This Modification Proposal was raised by SEMO and was received by the Secretariat on 14 February 2018. This change seeks to amend the Trading and Settlement Code rules on publications to align with the decisions taken on these via the market rules working groups where this is not currently reflected.

Specifically, this proposal introduces the following changes;

* Hourly publication of Dispatch Instructions, Outturn Availabilities and SO Interconnector Trades for the preceding hour
* Ex Ante publication of forecast availability (change to timing from 16:00 D+1 to 17:00 D-1)
* Consolidation and earlier provision of Long Term Operational Schedules and Real Time Indicative Commitment (Currently Member Private following the Operational Schedule run and Member Public at D+1 where this change seeks to provide for Member Public reports following the Operational Schedule run)

The Modification Proposal was discussed and voted on at Meeting 81 on 13 March 2018.

# PURPOSE OF PROPOSED MODIFICATION

**3A.) justification of Modification**

The TSOs held a Data Publications Workshop as part of the Market Rules Working Group Meeting VII in May 2016. This workshop discussed the Balancing Market publications being proposed for delivery via the MPI and website. Based on the feedback from Participants at this meeting and queries raised under the Market Rules Working Group query process, more real-time, public, reporting of information was requested. This included publication of Indicative Operations Schedules, Dispatch Instructions and Availabilities. Participants requested this information to support transparency of the market and decisions made by the TSOs, to support their market models and ultimately inform their trading activity.

The relevant reports are included within the latest I-SEM Technical Specification (Release 7.1, issued 1 December 2017) and are to be available in the Market Trial in early 2018:

* REPT\_012 (Forecast Availability)
* REPT\_101 (Outturn Availability)
* REPT\_102 (Hourly Dispatch Instructions)
* REPT\_103 (Hourly SO Interconnector Trades)
* REPT\_001b (LTS Operational Schedule Report, Member Public)
* REPT\_002b (RTC Operational Schedule Report, Member Public)

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

Information is key to market efficiency. If this Modification is not implemented, Participants will not have the required information available to correctly make commercial decisions and manage positions appropriately.

Furthermore, if this modification is not implemented, the operation of the SEM will be less transparent.

**3c.) Impact on Code Objectives**

This Modification furthers Code Objective 1.3 (5)

(5) to provide transparency in the operation of the Single Electricity Market;

1. **Assessment of Alternatives**

N/A

# Working Group and/or Consultation

N/A

# impact on systems and resources

No impact on market systems since this proposal reflects the current ISEM build.

Potential impacts for Participant systems if they are designed to consume the suite of reports currently provided for; however, it is our expectation that Participants will be building to technical specifications as opposed to market rules and this change has been reflected in technical specifications since early December 2017.

# Impact on other Codes/Documents

N/A

# MODIFICATION COMMITTEE VIEWS

## Meeting  **81 – 13 March 2018**

Proposer delivered a [presentation](http://www.sem-o.com/MarketDevelopment/ModificationDocuments/Mod_04_18%20Reporting%20and%20Publication%20for%20Operational%20Schedules%2C%20Dispatch%20Instructions%2C%20Forecast%20Availability%20and%20SO%20Trades.pptx) summarising the requirement for this proposal. Proposer advised that this had all been reflected in technical specifications. Gen Member enquired about the availability of a LOLP report. Proposer advised that this was not required due to the creation of the Capacity Market in I-SEM removing the capacity mechanism as was in SEM.

Committee were in agreement to vote on this proposal. The proposal was recommended for approval.

.

# Proposed Legal Drafting

As set out in Appendix 1.

# LEGAL REVIEW

N/A

# 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\_04\_18 reporting and publication for operational schedules, dispatch instructions, forecast availability and so trades

|  |
| --- |
| **MODIFICATION PROPOSAL FORM** |
| **Proposer***(Company)* | **Date of receipt***(assigned by Secretariat)* | **Type of Proposal***(delete as appropriate)* | **Modification Proposal ID***(assigned by Secretariat)* |
| **SEMO** | **14 February 2018** | **Standard**  | **Mod\_04\_18** |
| **Contact Details for Modification Proposal Originator** |
| **Name** | **Telephone number** | **Email address** |
| **Christopher Goodman** |  | **christopher.goodman@sem-o.com** |
| **Modification Proposal Title** |
| **Reporting and Publication for Operational Schedules, Dispatch Instructions, Forecast Availability and SO trades** |
| **Documents affected***(delete as appropriate)* | **Section(s) Affected** | **Version number of T&SC or AP used in Drafting** |
| **Appendices Part B****Agreed ProceduresPart B** | **Part B Appendix E Tables 4 and 8 new Table 10****Part B Agreed Procedure 6 Appendix A** | **Version 20** |
| **Explanation of Proposed Change***(mandatory by originator)* |
| This change seeks to amend the Trading and Settlement Code rules on publications to align with the decisions taken on these via the market rules working groups where this is not currently reflected.Specifically, this proposal introduces the following changes;* Hourly publication of Dispatch Instructions, Outturn Availabilities and SO Interconnector Trades for the preceding hour
* Ex Ante publication of forecast availability (change to timing from 16:00 D+1 to 17:00 D-1)
* Consolidation and earlier provision of Long Term Operational Schedules and Real Time Indicative Commitment (Currently Member Private following the Operational Schedule run and Member Public at D+1 where this change seeks to provide for Member Public reports following the Operational Schedule run)
 |
| **Legal Drafting Change***(Clearly show proposed code change using* ***tracked*** *changes, if proposer fails to identify changes, please indicate best estimate of potential changes)* |
| 1. **Updates to Appendix E – Data Publication Guide**

**Table 4 – Data publication list part 4: updated daily in advance of the Trading Day**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time** | **Item / Data Record** | **Term** | **Subscript** |
| **Daily, in advance of the Trading Day** |  |  |  |
| By 17:00 on the day prior to the Gate Closure 1 in respect of the Trading Day | Trading Day Exchange Rate between euro (€) and pounds sterling (£)  | - | - |
| By 17:00 on the day prior to the Trading Day, plus as updated | Unit Under Test |  |  |
| By 17:00 on the day prior to the Trading Day, plus as updated | Net Transfer Capacity |  |  |
| By 17:00 on the day prior to the Trading Day, plus as updated | Four Day Load Forecast | - | - |
| By17:00 on the day prior to the Trading Day, plus as updated | Four Day Rolling Wind Power Unit Forecast by Unit |  |  |
| By 17:00 on the day prior to the Trading Day, plus as updated | Four Day Rolling Wind Power Unit Forecast aggregated by Jurisdiction | - | - |
| By 17:00 on the day prior to the Trading Day, plus as updated | Four Day Rolling Wind Power Unit Forecast by Market | - | - |
| By 17:00 on the day prior to the Trading Day, plus as updated | OUTAGE ADJUSTED WIND UNIT FORECAST – 36 hours lookout |  |  |
| By 17:00 on the day prior to the Trading Day | Daily Transmission Outage Schedule Report |  |  |
| By 17:00 on the day prior to the Trading Day  | Forecast Availability | - | uγ |

**Table 10 - Data publication list part 10: updated every hour, containing data for the previous hour**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time** | **Item / Data Record** | **Term** | **Subscript** |
| Every hour for the previous hour | Outturn Availability |  | uγ |
| Every hour for the previous hour | Hourly Dispatch Instructions  | - | u |
| Every hour for the previous hour | Hourly SO Interconnector Trades  | - | Iγ or Iφ |

**Table 8 – Data publication list part 8: updated daily post Trading Day or Settlement Day**

| **Time** | **Item** | **Term** | **Subscript** |
| --- | --- | --- | --- |
| **Daily, post Trading Day or Settlement Day** |  |  |  |
| By 16:00 Trading Day +1 | Technical Offer Data Accepted  |  | ut |
|  |  |  |  |
| By 16:00 Trading Day +1 | Outturn Availability |  | uγ |
| By 16:00 Trading Day +1 | Final Physical Notifications |  | uγ |
| By 16:00 Trading Day +1 | Commercial Offer Data Accepted  |  | uγ |
| By 16:00 Trading Day +1 | Daily Generator Outage Schedules |  |  |
| By 16:00 Trading Day +1 | Demand Control Data Transaction | QDC | φ |
| By 16:00 Trading Day +1 and by 17:00 Trading Day +5 | Dispatch Instructions | - | - |
| By 16:00 Trading Day +1 | SO Interconnector Trades |  PBO, QAO, QAB | u |
| By 16:00 Trading Day +1 | Market Back Up Prices | PMBU | y |
| By 17:00 Trading Day +5 | Initial Interconnector Flows and Residual Capacity |  |  |
| By 16:00 Trading Day +1 | Generator Unit Technical Characteristics Data Transaction  |  |  |
| By 16:00 Trading Day +1 | Nominal System Frequency | FRQNOR | γ |
| By 16:00 Trading Day +1 | Average System Frequency | FRQAVG | γ |
| By 16:00 Working Day +1 and by 17:00 Trading Day +5 | Metered Generation by Unit  | QM | uγ, vγ |
| By 16:00 Working Day +1 and by 17:00 Trading Day +5 | Metered Generation by Jurisdiction  | QM, | ue or ve |
| By 16:00 each Working Day  | Credit Assessment Price for the Undefined Exposure Period for Billing Periods | PCA | g |
| By 16:00 each Working Day | Dispatch Quantity | DQ | uγ |
| By 16:00 each Working Day | Billing Period Undefined Potential Exposure Quantity | QUPEB | pg |
| By 16:00 on Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day  | Tolerance for Over Generation  | TOLOG | uγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Tolerance for Under Generation | TOLUG | uγ |
| By 16:00 Two Working Days after Trading Day, by 17:00 Five Working Days after end Trading Day and as updated at 17:00 the day of recalculation | Trading Payments and Charges D+1  | CIMB, CPREMIUM, CDISCOUNT, CAOOPO, CABBPO, CCURL, CUNIMB, CII, CFC, CIMP, CTEST, CREV, CCA  | uγ, uk or vγ as appropriate |
| By 16:00] Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Capacity Quantity Scaling Factor | FSQC | γ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Required Capacity Quantity | qCREQ | y |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Reserve Adjustment Capacity | qCREQAR | y |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Net Capacity Quantity | QCNET | Ωγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Obligated Capacity Quantity | QCOB | Ωγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Loss-Adjusted Commissioned Capacity Quantity | qCCOMMISSLF | Ωγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | De-Rating Factor | FDERATE | Ω |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Above De-Rated Capacity Factor | FCADERATE | Ωγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Capacity Quantity | qC | Ωn |
| By 16:00 Two by Working Days after Trading Day and 17:00 Five Working Days after Trading Day | Initial Primary Auction Capacity Payment Price | PCPIPA | y |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Day-ahead Difference Quantity | QDIFFDA | Ωγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Day-ahead Trade Quantity | qTDA | xuh |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Day-ahead Trade Price for Trade | PTDA | xuh |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Day-ahead Difference Charge | CDIFFCDA | Ωγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Day-ahead Difference Charge Metered Quantity | QMDIFFCDA | vγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Strike Price for Month | PSTR | m |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Loss-Adjusted Accepted Offer Quantity | QAOLF | uoiγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Loss-Adjusted Accepted Bid Quantity | QABLF | uoiγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Loss-Adjusted Offer Price Only Accepted Offer Quantity | QAOOPOLF | uoiγ |
| By 16:00 Two Working Days after Trading Day and 17:00 Five Working Days after Trading Day | Biased Accepted Offer Quantity | QAOBIAS | uoiγ |
| B 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Loss-Adjusted Trade Opposite TSO Accepted Offer Quantity | QAOTOTSOLF | uoiγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Within-day Trade Difference Quantity | QDIFFCTWD | Ωγk |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Within-day Trade Difference Charge | CDIFFCTWD | Ωγk |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Within-day Difference Charge Metered Quantity | QMDIFFCWD | sγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | System Service Flag | FSS | uγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | System Service Difference Quantity | QDIFFCSS | uγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Non-performance Difference Quantity | QDIFFCNP | Ωγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Loss-Adjusted Maximum Import Capacity Market Availability Quantity for Interconnector | qCMAMAXILF | lγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Annual Cumulative Non-performance Difference Charge | CDIFFCNPA | Ω(γ-1) |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Billing Period Cumulative Non-performance Difference Charge | CDIFFCNPB | Ω(γ-1) |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Total Difference Charge | CDIFFCTOT | pγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Day-ahead Difference Payment | CDIFFPDA | vd |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Intraday Trade Quantity for Trade | qTID | xuhk |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Intraday Trade Price for Trade | PTID | xvhk |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Intraday Trade Difference Quantity | QDIFFPTID | vγk |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Intraday Trade Difference Payment | CDIFFPTID | vγk |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Tracked Difference Quantity | QDIFFTRACK | vγk |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Imbalance Difference Quantity | QDIFFPIMB | vγ |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Total Difference Payment | CDIFFPTOT | vd |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Daily Total Difference Payment | CDIFFPTOTD | d |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Difference Payment Shortfall Amount | CSHORTDIFFP | vd |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Difference Payment Socialisation Balance in Settlement Day | CBSOCDIFFP | d |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Difference Payment Reimbursement Payment | CREIMDIFFP | v(d-1) |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Tracked Difference Payment Shortfall Charge | CSHORTDIFFPTRACK | vd |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Achievable Difference Payment | CDIFFPACHIEVE | vd |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Total Achievable Difference Payment | CDIFFPACHIEVETOT | pd |
| By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | Initial Socialisation Balance | CBSOCI | d |

1. **Updates to Agreed Procedure 6 – Data Publication and Data Reporting**

See APPENDIX A BELOW. |
|  |
| **Modification Proposal Justification***(Clearly state the reason for the Modification)* |
| The TSOs held a Data Publications Workshop as part of the Market Rules Working Group Meeting VII in May 2016. This workshop discussed the Balancing Market publications being proposed for delivery via the MPI and website. Based on the feedback from Participants at this meeting and queries raised under the Market Rules Working Group query process, more real-time, public, reporting of information was requested. This included publication of Indicative Operations Schedules, Dispatch Instructions and Availabilities. Participants requested this information to support transparency of the market and decisions made by the TSOs, to support their market models and ultimately inform their trading activity. The relevant reports are included within the latest I-SEM Technical Specification (Release 7.1, issued 1 December 2017) and are to be available in the Market Trial in early 2018:* REPT\_012 (Forecast Availability)
* REPT\_101 (Outturn Availability)
* REPT\_102 (Hourly Dispatch Instructions)
* REPT\_103 (Hourly SO Interconnector Trades)
* REPT\_001b (LTS Operational Schedule Report, Member Public)
* REPT\_002b (RTC Operational Schedule Report, Member Public)
 |
| **Code Objectives Furthered***(State the Code Objectives the Proposal furthers, see Section 1.3 of T&SC for Code Objectives)* |
| This Modification furthers Code Objective 1.3 (5) (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)* |
| Information is key to market efficiency. If this Modification is not implemented, Participants will not have the required information available to correctly make commercial decisions and manage positions appropriately. Furthermore, if this modification is not implemented, the operation of the SEM will be less transparent. |
| **Working Group***(State if Working Group considered necessary to develop proposal)* | **Impacts***(Indicate the impacts on systems, resources, processes and/or procedures; also indicate impacts on any other Market Code such as Capacity Marker Code, Grid Code, Exchange Rules etc.)* |
| No | No impact on market systems since this proposal reflects the current ISEM build. Potential impacts for Participant systems if they are designed to consume the suite of reports currently provided for; however, it is our expectation that Participants will be building to technical specifications as opposed to market rules and this change has been reflected in technical specifications since early December 2017 |
| ***Please return this form to Secretariat by email to*** *modifications@sem-o.com* |

aPPENDIX a

Report Listing

Legends

Please use the following legends when interpreting the subsequent report listing.

|  |  |
| --- | --- |
| **Classification** | **Description** |
| **A** | Updated periodically as required |
| **B** | Updated annually and as required |
| **C** | Updated monthly |
| **D** | Updated daily, prior to the Trading Day  |
| **E** | Updated hourly or half hourly prior to the Imbalance Settlement Period (ISP) |
| **F** | Updated following each Gate Closure 1 |
| **G** | Updated following each Imbalance Pricing Period (IPP) or Imbalance Settlement Period (ISP) |
| **H** | Updated every hour for the previous hour |
| **I** | Updated daily post Trading Day or Settlement Day |
| **J** | Updated on a Capacity Period basis post end of Capacity Period |
| **K** | Ad-hoc Reports |

Data Reports

The following list identifies each Data Report produced as scheduled reports exclusively for Participants via the Balancing Market Interface.

| **Publication / Data Report Name** | **Class** | **Timing** | **Subscript** | **Available via BMI** | **Confidentiality** | **Validity** |
| --- | --- | --- | --- | --- | --- | --- |
| List of Registered Units | A | Daily, only when a new Unit Registration is approved. | - | Y | Member Public |  |
| List of Registered Participants | K | Daily, only when a new Party Registration is approved. | - | Y | Member Public |  |
| Settlement Statement | A | Defined Schedule by the Settlement Calendar (Daily by Business Day) | - | Y | Member Private |  |
| Settlement Report | A | Defined Schedule by the Settlement Calendar (Daily by Business Day) | - | Y | Member Private |  |
| Settlement Document | A | As defined by Settlement Calendar (Weekly, Ad hoc as required) | - | Y | Member Private |  |
| Collateral Report | A | Daily, ad hoc as required | - | Y | Member Private |  |
| Annual Combined Loss Adjustment Factor  | B | Once every year, in August and ad hoc upon new Unit registration | uγ for Generator Units, lγ for Interconnector | Y | Member Public |  |
| Annual Load Forecast | B | Once every year, in August | - | Y | Member Public |  |
| Settlement Calendar | B | Four Months before start of Year | - | Y | Member Public |  |
| Discount for Over Generation  | B | At least two Months before start of Year | uγ | Y | Member Public |  |
| Premium for Under Generation  | B | At least two Months before start of Year | uγ | Y | Member Public |  |
| Monthly Load Forecast and Assumptions | C | Once every Month | - | Y | Member Public |  |
| Registered Capacity  | C | Once every Month | u | Y | Member Public |  |
| Unit Under Test | D | By 17:00 on the day prior to the Trading Day, plus as updated | - | Y | Member Public |  |
| Daily Load Forecast Summary | D | Following receipt of each Four Day Load Forecast | - | Y | Member Public |  |
| Four Day Rolling Wind Unit Forecast | D | Four times per day, following receipt of each Wind Unit Forecast | - | Y | Member Public |  |
| Four Day Aggregated Rolling Wind Unit Forecast | D | Four times per day | - | Y | Member Public |  |
| Outage Adjusted Wind Unit Forecast Report | D | Four times per day, following receipt of each Wind Unit Forecast | - | Y | Member Public |  |
| Outage Adjusted Solar Unit Forecast Report | D | Four times per day, following receipt of each Solar Unit Forecast | - | Y | Member Public |  |
| Aggregated Wind Forecast | D | Four times per day, following receipt of each Wind Unit Forecast | - | Y | Member Public |  |
| Daily Interconnector NTC | D | Event driven for the TD following receipt of new NTC values,following receipt of results from the Co-ordinated Capacity Calculator for TD+1 and TD+2 | - | Y | Member Public |  |
| Daily Transmission Outage Schedule | D | Day prior to the Trading Day, by 17:00 | - | Y | Member Public |  |
| Daily Trading Exchange Rate | D | Two days prior to the Trading Day | - | Y | Member Public |  |
| Forecast Availability | D | Day prior to the Trading Day, by 17:00 | uγ | Y | Member Public |  |
| Forecast Imbalance | E | Every hour prior to each ISP | γ | Y | Member Public |  |
| Net Imbalance Volume Forecast | E | Every hour prior to each ISP | γ | Y | Member Public |  |
| Credit Cover Requirements | F | Daily, Ad hoc as necessary  | pr | Y | Member Private | Valid until the next Credit Cover Requirements Report is produced |
| Aggregated Contracted Quantities For Generation | F | Updated every hour for All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day  | - | Y | Member Public |  |
| Aggregated Contracted Quantities For Demand | F | Updated every hour for All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day  | - | Y | Member Public |  |
| Aggregated Contracted Quantities For Wind | F | Updated every hour for All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day  | - | Y | Member Public |  |
| Commercial Offer Data Report – Member Private | E | Every Half-Hour | uγ | Y | Member Private |  |
| System Shortfall Imbalance Index and Flattening Factor | E | Hourly up to the first IDM Gate Closure for the Trading Day |  | Y | Member Public |  |
| Net Imbalance Volume Forecast | E | Every half hour prior to each ISP | γ | Y | Member Public |  |
| Physical Notifications – Member Private | F | After each Balancing Market Gate Closure |  | Y | Member Private |  |
| Aggregated Final Physical Notifications | F | After each Balancing Market Gate Closure | γ | Y | Member Public |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Imbalance Price Report (Imbalance Pricing Period) | G | End of imbalance price calculation process for the corresponding Imbalance Pricing Period |  | Y | Member Public |  |
| Imbalance Price Report (Imbalance Settlement Period) | G | After the end of each Imbalance Settlement Period on the Trading Day |  | Y | Member Public |  |
| Imbalance Price Supporting Information | G | End of Imbalance Price calculation process for the corresponding Imbalance Pricing Period |  | Y | Member Public |  |
| Anonymised Inc / Dec Curves | G | Following each ISP |  | Y | Member Public |  |
| Outturn Availability | H | Every Hour | uγ | Y | Member Public |  |
| Hourly Dispatch Instructions  | H | Every Hour | uγ | Y | Member Public |  |
| Hourly SO Interconnector Trades  | H | Every Hour | uγ | Y | Member Public |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| RTID Operational Schedule – Member Public | I | One day after Trading Day |  | Y | Member Public |  |
| Final Physical Notifications | I | One day after Trading Day | uγ | Y | Member Public |  |
| Technical Offer Data | I | One day after Trading Day, by 16:00 | ut | Y | Member Public |  |
| Commercial Offer Data Report – Member Public | I | One day after Trading Day, by 16:00 | uγ | Y | Member Public |  |
|  |  |  |  |  |  |  |
| Daily Generator and DSU Outage Schedules | I | Day after Trading Day, by 16:00 |  | Y | Member Public |  |
| Initial Interconnector Flows and Residual Capacity | I | Five days after Trading Day, by 17:00 | - | Y | Member Public |  |
| Daily Dispatch Instructions (D+1) | I | Day after Trading Day, by 16:00 | - | Y | Member Public |  |
| Daily Dispatch Instructions (D+4) | I | Four days after Trading Day, by 17:00 | - | Y | Member Public |  |
| Daily Demand Control Data Transaction | I | Day after Trading Day, by 16:00 | φ | Y | Member Public |  |
| Daily Generator Unit Technical Characteristic Data Transaction | I | Day after Trading Day, by 16:00 | - | Y | Member Public |  |
| Daily Energy Limited Generator Unit Technical Characteristic Data Transaction | I | Day after Trading Day, by 16:00 | - | Y | Member Public |  |
| Tolerance for Over Generation  | I | By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day  | uγ | Y | Member Public |  |
| Tolerance for Under Generation | I | By 16:00 Two Working Days after Trading Day and by 17:00 Five Working Days after Trading Day | uγ | Y | Member Public |  |
| Daily Meter Data Detail D+1  | I | Day after Trading Day, by 17:00 | - | Y | Member Public |  |
| Daily Meter Data Detail D+4 | I | Four days after Trading day, by 17:00 | - | Y | Member Public |  |
| Average System Frequency | I | Day after Trading Day, by 16:00 | γ | Y | Member Public |  |
| SO Interconnector Trades | I | Day after Trading Day, by 16:00 | - | Y | Member Public |  |
| Unit Data | I | Day after Trading Day, by 16:00 |  | Y | Member Public |  |
| Metered Volumes by Jurisdiction | I | By 16:00 Working Day +1 and by 17:00 Working Day +5  | uy | Y | Member Public |  |
| Average Outturn Availability | I | Day after Trading Day, by 16:00 | uγ | Y | Member Public |  |
| AoLR Unit Report | I | [Day after Trading Day tbc] |  | Y | Member Private |  |
| Energy Market Financial Publication - Indicative | I | Daily, Settlement Day + One working day by HH:MM | - | Y | Member Public |  |
| Energy Market Financial Publication - Initial | I | Daily, Settlement Day + Five Working days, as updated, at HH:MM the day of recalculation | - | Y | Member Public |  |
| Energy Market Information Publication - Indicative | I | Daily,Settlement Day + One Working Day by HH:MM | - | Y | Member Public |  |
| Energy Market Information Publication - Initial | I | Daily,Settlement Day + Five Working Days by HH:MM | - | Y | Member Public |  |
| Metered Generation Information Publication - Indicative | I | Daily,Settlement Day + One Working Day by HH:MM | - | Y | Member Public |  |
| Metered Generation Information Publication - Initial | I | Daily,Settlement Day + Five Working Days by HH:MM | - | Y | Member Public |  |
| Capacity Market Financial Publication - Indicative | J | Capacity Period + Three Working days at HH:MM | - | Y | Member Public |  |
| Capacity Market Financial Publication - Initial | J | Capacity Period + Seven Working days at HH:MM | - | Y | Member Public |  |
| Capacity Market Information Publication - Indicative | J | Capacity Period + Three Working days at HH:MM | - | Y | Member Public |  |
| Capacity Market Information Publication - Initial | J | Capacity Period + Seven Working days at HH:MM | - | Y | Member Public |  |
| LTS Operational Schedule – Member Public | K | Following approval of each LTS Operational Schedule Run |  | Y | Member Public |  |
| RTIC Operational Schedule – Member Public | K | Following approval of each RTIC Operational Schedule Run |  | Y | Member Public |  |
| RTID Operational Schedule – Member Private | K | Following approval of each RTID Operational Schedule Run |  | Y | Member Private |  |

**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 either Part A or Part B Appendix D “List of Agreed Procedures”. The Proposer will need to specify whether the Agreed Procedure to modify refers to Part A, Part B or both.**

**T&SC / Code: means the Trading and Settlement Code for the Single Electricity Market. The Proposer will also need to specify whether all Part A, Part B, Part C of the Code or a subset of these, are affected by the proposed Modification;**

**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 Part A or Chapter B of Part B of the Code (and Part A Agreed Procedure 12 or Part B 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.**