Single Electricity Market

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FINAL RECOMMENDATION REPORT

MOD_17_21 SECOND HOUSEKEEPING 2021
21 OCTOBER 2021

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Document History

Version	Date	Author	Comment
1.0	4th Nov 2021	Modifications Committee Secretariat	Issued to Modifications Committee for review and approval
2.0	11th Nov 2021	Modifications Committee Secretariat	Issued to Regulatory Authorities for final decision

Reference Documents

Document Name
Trading and Settlement Code
Proposal

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1. MODIFICATIONS COMMITTEE RECOMMENDATION

RECOMMENDED FOR APPROVAL– UNANIMOUS VOTE

Recommended for Approval by Unanimous Vote		
Paul McGuckin	Flexible Participant Member	Approve
Sean McParland	Generator Alternate	Approve
Andrew Burke (Vice Chair)	Renewable Generator Member	Approve
James Gallagher	Supplier Member	Approve
Colm Oireachtaigh	Supplier Member	Approve
Robert McCarthy	DSU Member	Approve
David Gascon	Generator Alternate	Approve
Ian Mullins	Supplier Member	Approve
Patrick Larkin	Assetless Member	Approve
Jag Basi	Generator Alternate	Approve
Bryan Hennessy	Supplier Member	Approve
David Caldwell	Supplier Alternate	Approve
Stacy Feldmann	Generator Member	Approve

2. BACKGROUND

This Modification Proposal was raised by SEMO and received by the Secretariat on the 7th October 2021. The Proposal was raised and voted on at Meeting 107 on 21st October 2021.

Housekeeping Modifications are regularly raised by the Market Operator for minor adjustments to the Code that have no impact to the actual interpretation of the Legal Drafting or correction of unambiguous minor errors.

In this Modification we are proposing the following corrections:

- In V23, paragraph F.18.7.1 was incorrectly deleted affecting the subsequent numbering in that section and the relevant cross-references; this has now been reinstated as 'intentionally blank' as per standard code updates;
- An incorrect cross-reference was found in G.12.4.2 following Mod_05_21; this is now amended;
- Following up from the approval of Mod_05_21, references to Mod_09_18 Deployment Date has been updated in the Glossary;

Please note that due to delay in publication of V.24, the approved text from Mod_05_21 has been considered in addition to the latest published baseline (v23) in order to proceed with these corrections at the next available Code update.

3. PURPOSE OF PROPOSED MODIFICATION

3A.) JUSTIFICATION OF MODIFICATION

This Modification has been raised to carry out minor adjustments to the Code due to either error correction or update references to new SEMC decisions. These adjustments do not affect the legal interpretation of the Code but provide transparency and consistency throughout.

3B.) IMPACT OF NOT IMPLEMENTING A SOLUTION

Incorrect reference and errors will remain causing confusion in the reading of the T&SC

3C.) IMPACT ON CODE OBJECTIVES

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

by removing inconsistency within the T&SC.

4. WORKING GROUP AND/OR CONSULTATION

N/A

5. IMPACT ON SYSTEMS AND RESOURCES

N/A

6. IMPACT ON OTHER CODES/DOCUMENTS

N/A

7. MODIFICATION COMMITTEE VIEWS

MODIFICATIONS MEETING 107 – 21 OCTOBER 2021

The Proposer of this Modification gave a brief summary of the proposal noting the changes proposed should be considered very straightforward. It was advised that there was an error in V23 final baseline where one paragraph was deleted by mistake. There were also incorrect references found which needed to be removed.

8. PROPOSED LEGAL DRAFTING

As per Appendix 1.

9. LEGAL REVIEW

N/A

10. IMPLEMENTATION TIMESCALE

It is recommended that this Modification is implemented on a Settlement Day basis on the first Settlement Day following publication of RAs decision.

1   APPENDIX 1: MOD_17_21 SECOND HOUSEKEEPING 2021

MODIFICATION PROPOSAL FORM

| Proposer

(Company) | Date of receipt

(assigned by Secretariat) | Type of Proposal

(delete as appropriate) | Modification Proposal ID

(assigned by Secretariat) |
|---|---|---|---|
| SEMO | 7th October 2021 | Standard | Mod_17_21 |

Contact Details for Modification Proposal Originator		
Name	**Telephone number**	**Email address**
Katia Compagnoni		balancingmodifications@sem-o.com

Modification Proposal Title
Second Housekeeping 2021

| Documents affected

(delete as appropriate)	Section(s) Affected	Version number of T&SC or AP used in Drafting
Part B T&SC

Glossary Part B | Part B T&SC sections F.18.7, G.12.4.2, Part B Glossary | V23 baseline + Mod_05_21 |

| Explanation of Proposed Change

(mandatory by originator) |
|---|

Housekeeping Modifications are regularly raised by the Market Operator for minor adjustments to the Code that have no impact to the actual interpretation of the Legal Drafting or correction of unambiguous minor errors.

In this Modification we are proposing the following corrections:

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| Legal Drafting Change

*(Clearly show proposed code change using **tracked** changes, if proposer fails to identify changes, please indicate* |
|---|

best estimate of potential changes)

From Part B T&SC:

G.18.7 **Calculation of Non-performance Difference Quantities and Charges**

~~G.18.7.1~~ Intentionally blank

~~G.18.7.1~~G.18.7.2   The Market Operator shall calculate the Non-performance Difference Quantity (QDIFFCNP$_{\Omega\gamma}$) for each Capacity Market Unit, Ω, that is an Interconnector, in each Imbalance Settlement Period, γ, as follows:

$$If\ QMLF_{l\gamma} \geq 0, then$$

$$QDIFFCNP_{\Omega\gamma}$$
$$= Max\big(Min(QCOB_{\Omega\gamma} - (qCMAMAXILF_{l\gamma} \times DISP), QCOB_{\Omega\gamma} - QMLF_{l\gamma}), 0\big)$$

$$else$$

$$QDIFFCNP_{\Omega\gamma} = 0$$

where:

(a)   QCOB$_{\Omega\gamma}$ is the Obligated Capacity Quantity for Capacity Market Unit, Ω, in Imbalance Settlement Period, γ;

(b)   qCMAMAXILF$_{l\gamma}$ is the Loss-Adjusted Maximum Import Capacity Market Availability Quantity for Interconnector, l, which comprises the Capacity Market Unit, Ω, in Imbalance Settlement Period, γ, submitted in accordance with section D.6.5;

(c)   DISP is the Imbalance Settlement Period Duration; and

(d)   QMLF$_{l\gamma}$ is the Loss-Adjusted Metered Quantity for Interconnector, l, in Imbalance Settlement Period, γ.

~~G.18.7.2~~G.18.7.3   For all cases not covered by paragraphs G.18.7.1, the Market Operator shall calculate the Non-performance Difference Quantity (QDIFFCNP$_{\Omega\gamma}$) for each Capacity Market Unit, Ω, which does not represent an Autoproducer Unit, in each Imbalance Settlement Period, γ, as follows:

$$QDIFFCNP_{\Omega\gamma} = Max\big(QCOB_{\Omega\gamma} - QDIFFTRACK_{\Omega\gamma}, 0\big)$$

where:

(a)   QCOB$_{\Omega\gamma}$ is the Obligated Capacity Quantity for Capacity Market Unit, Ω, in Imbalance Settlement Period, γ; and

(b)   QDIFFTRACK$_{\Omega\gamma}$ is the final Tracked Difference Quantity for Capacity Market Unit, Ω, in Imbalance Settlement Period, γ.

~~G.18.7.3~~G.18.7.4   The Market Operator shall calculate the Non-performance Difference

Charge ($CDIFFCNP_{\Omega\gamma}$) for each Capacity Market Unit, Ω, which does not represent an Autoproducer Unit, in each Imbalance Settlement Period, γ, as follows:

$$CDIFFCNP1_{\Omega\gamma} = QDIFFCNP_{\Omega\gamma} \times Min\big(0, PSTR_m - PIMB_\gamma\big)$$

$$CDIFFCNP2_{\Omega\gamma} = Max\Big(CDIFFCNP1_{\Omega\gamma}, Min\big(-CSLLB_{\Omega b} - CDIFFCNPB_{\Omega(\gamma-1)}, 0\big)\Big)$$

$$CDIFFCNP_{\Omega\gamma} = Max\Big(CDIFFCNP2_{\Omega\gamma}, Min\big(-CSLLA_{\Omega b} - CDIFFCNPA_{\Omega(\gamma-1)}, 0\big)\Big)$$

where:

(a) $PSTR_m$ is the Strike Price for Month, m, which contains Imbalance Settlement Period, γ;

(b) $PIMB_\gamma$ is the Imbalance Settlement Price in Imbalance Settlement Period, γ, calculated in accordance with Chapter E (Imbalance Pricing);

(c) $CDIFFCNPA_{\Omega(\gamma-1)}$ is the Annual Cumulative Non-performance Difference Charge for Capacity Market Unit, Ω, in the previous Imbalance Settlement Period, (γ − 1);

(d) $CDIFFCNPB_{\Omega(\gamma-1)}$ is the Billing Period Cumulative Non-performance Difference Charge for Capacity Market Unit, Ω, in the previous Imbalance Settlement Period, (γ − 1);

(e) $CSLLB_{\Omega b}$ is the Billing Period Stop-Loss Limit for Capacity Market Unit, Ω, in Billing Period, b, determined in accordance with in section **Error! Reference source not found.**;

(f) $CSLLA_{\Omega b}$ is the Annual Stop-Loss Limit for Capacity Market Unit, Ω, in Billing Period, b, determined in accordance with in section **Error! Reference source not found.**;

(g) $CDIFFCNP1_{\Omega\gamma}$ and $CDIFFCNP2_{\Omega\gamma}$ are iterative variables required to calculate the final value for $CDIFFCNP_{\Omega\gamma}$; and

(h) $QDIFFCNP_{\Omega\gamma}$ is the Non-performance Difference Quantity for Capacity Market Unit, Ω, in Imbalance Settlement Period, γ.

~~G.18.7.4~~G.18.7.5   The Market Operator shall calculate the Billing Period Cumulative Non-performance Difference Charge ($CDIFFCNPB_{\Omega\gamma}$) to be zero in the last Imbalance Settlement Period, γ, of each Billing Period, b, and the Annual Cumulative Non-performance Difference Charge ($CDIFFCNPA_{\Omega\gamma}$) to be zero in the last Imbalance Settlement Period, γ, of each Capacity Year, y, for each Capacity Market Unit, Ω, which does not represent an Autoproducer Unit, and in each other Imbalance Settlement Period, γ, in the Capacity Year, y, as follows:

$$CDIFFCNPB_{\Omega\gamma} = CDIFFCNPB_{\Omega(\gamma-1)} + CDIFFCNP_{\Omega\gamma}$$

$$CDIFFCNPA_{\Omega\gamma} = CDIFFCNPA_{\Omega(\gamma-1)} + CDIFFCNP_{\Omega\gamma}$$

where:

(a)   CDIFFCNPA$_{\Omega(\gamma-1)}$ is the Annual Cumulative Non-performance Difference Charge for Capacity Market Unit, Ω, in the previous Imbalance Settlement Period, (γ − 1);

(b)   CDIFFCNPB$_{\Omega(\gamma-1)}$ is the Billing Period Cumulative Non-performance Difference Charge for Capacity Market Unit, Ω, in the previous Imbalance Settlement Period, (γ − 1); and

(c)   CDIFFCNP$_{\Omega\gamma}$ is the Non-performance Difference Charge for Capacity Market Unit, Ω, in Imbalance Settlement Period, γ.

~~G.18.7.5~~ G.18.7.6   For all cases not covered by paragraphs **Error! Reference source not found.**, G.18.7.1 and G.18.7.3, the Market Operator shall calculate the Non-performance Difference Quantity (QDIFFCNP$_{s\gamma}$) for each Trading Site, s, which is associated with a Capacity Market Unit, Ω, which represents an Autoproducer Unit, in each Imbalance Settlement Period, γ, as follows:

$$QDIFFCNP_{s\gamma} = Max\big(QCOB_{s\gamma} - QDIFFTRACK_{s\gamma}, 0\big)$$

where:

(a)   QCOB$_{s\gamma}$ is the Obligated Capacity Quantity for Trading Site, s, in Imbalance Settlement Period, γ; and

(b)   QDIFFTRACK$_{s\gamma}$ is the final Tracked Difference Quantity for Trading Site, s, in Imbalance Settlement Period, γ.

~~G.18.7.6~~ G.18.7.7   The Market Operator shall calculate the Non-performance Difference Charge (CDIFFCNP$_{s\gamma}$) for each Trading Site, s, which is associated with a Capacity Market Unit, Ω, which represents an Autoproducer Unit, in each Imbalance Settlement Period, γ, as follows:

$$CDIFFCNP1_{s\gamma} = QDIFFCNP_{s\gamma} \times Min\big(0, PSTR_m - PIMB_\gamma\big)$$

$$CDIFFCNP2_{s\gamma} = Max\left(CDIFFCNP1_{s\gamma}, Min\big(-CSLLB_{sb} - CDIFFCNPB_{s(\gamma-1)}, 0\big)\right)$$

$$CDIFFCNP_{s\gamma} = Max\left(CDIFFCNP2_{s\gamma}, Min\big(-CSLLA_{sb} - CDIFFCNPA_{s(\gamma-1)}, 0\big)\right)$$

where:

(a)   PSTR$_m$ is the Strike Price for Month, m, which contains Imbalance Settlement Period, γ;

(b)   PIMB$_\gamma$ is the Imbalance Settlement Price in Imbalance Settlement Period, γ, calculated in accordance with Chapter E (Imbalance Pricing);

(c)   CDIFFCNPA$_{s(\gamma-1)}$ is the Annual Cumulative Non-performance Difference

Charge for Trading Site, s, in the previous Imbalance Settlement Period, (γ – 1);

(d) $CDIFFCNPB_{s(\gamma-1)}$ is the Billing Period Cumulative Non-performance Difference Charge for Trading Site, s, in the previous Imbalance Settlement Period, (γ – 1);

(e) $CSLLB_{sb}$ is the Billing Period Stop-Loss Limit for Trading Site, s, in Billing Period, b, determined in accordance with in section **Error! Reference source not found.**;

(f) $CSLLA_{sb}$ is the Annual Stop-Loss Limit for Trading Site, s, in Billing Period, b, determined in accordance with in section **Error! Reference source not found.**;

(g) $CDIFFCNP1_{s\gamma}$ and $CDIFFCNP2_{s\gamma}$ are iterative variables required to calculate the final value for $CDIFFCNP_{s\gamma}$; and

(h) $QDIFFCNP_{s\gamma}$ is the Non-performance Difference Quantity for Trading Site, s, in Imbalance Settlement Period, γ.

~~G.18.7.7~~G.18.7.8   The Market Operator shall calculate the Billing Period Cumulative Non-performance Difference Charge ($CDIFFCNPB_{s\gamma}$) to be zero in the last Imbalance Settlement Period, γ, of each Billing Period, b, and the Annual Cumulative Non-performance Difference Charge ($CDIFFCNPA_{s\gamma}$) to be zero in the last Imbalance Settlement Period, γ, of each Capacity Year, y, for each Trading Site, s, which is associated with a Capacity Market Unit, Ω, which represents an Autoproducer Unit, and in each other Imbalance Settlement Period, γ, in the Capacity Year, y, as follows:

$$CDIFFCNPB_{s\gamma} = CDIFFCNPB_{s(\gamma-1)} + CDIFFCNP_{s\gamma}$$

$$CDIFFCNPA_{s\gamma} = CDIFFCNPA_{s(\gamma-1)} + CDIFFCNP_{s\gamma}$$

where:

(a) $CDIFFCNPA_{s(\gamma-1)}$ is the Annual Cumulative Non-performance Difference Charge for Trading Site, s, in the previous Imbalance Settlement Period, (γ – 1);

(b) $CDIFFCNPB_{s(\gamma-1)}$ is the Billing Period Cumulative Non-performance Difference Charge for Trading Site, s, in the previous Imbalance Settlement Period, (γ – 1); and

(c) $CDIFFCNP_{s\gamma}$ is the Non-performance Difference Charge for Trading Site, s, in Imbalance Settlement Period, γ.

……

H.12.4.2 Where a Participant reasonably expects that, compared with time-weighted average of Metered Demand across all of the four most recent Billing Periods, the forecasted averaged Metered Demand with respect to its Supplier Units in any of the next four Billing Periods will increase or decrease by more in absolute terms than the Credit

Cover Adjustment Trigger, or, compared with the average Total Daily Amounts across all of the four most recent Billing Periods the forecasted average Total Daily Amounts with respect to its Generator Units in any of the next four Billing Periods will increase or decrease in absolute terms by more than the Credit Cover Adjustment Trigger, then it shall notify the Market Operator as soon as reasonably possible. Such a Participant shall be called an Adjusted Participant. A Participant ceases to be an Adjusted Participant when the length of time between their notification and the last Imbalance Settlement Period covered in the most recent Settlement Statement issued for that Participant is greater than the length of time covered by the Historical Assessment Period. For the avoidance of doubt any Adjusted Participants should submit a revised Forecast value if changes above the Credit Cover Adjustment Trigger occur as per this paragraph G.1<u>24</u>.4.2 while they are treated as Adjusted Participants

From Glossary:

Mod_09_18 Deployment Date	means the <u>12/03/2021,</u> date <u>of the implementation of Mod_05_21 which gives effect to the outstanding issues raised in Mod_09_18.</u> ~~proposed by the Market Operator following discussion with the Modifications Committee, and approved by the Regulatory Authorities for the purpose of H.10, such date to be published on the Market Operator web site at least three Working Days in advance of the date concerned~~.

Modification Proposal Justification
(Clearly state the reason for the Modification)
This Modification has been raised to carry out minor adjustments to the Code due to either error correction or update references to new SEMC decisions. These adjustments do not affect the legal interpretation of the Code but provide transparency and consistency throughout.

Code Objectives Furthered
(State the Code Objectives the Proposal furthers, see Section 1.3 of Part A and/or Section A.2.1.4 of Part B of the T&SC for Code Objectives)
(a)   to provide transparency in the operation of the Single Electricity Market; by removing inconsistency within the T&SC.

Implication of not implementing the Modification Proposal
(State the possible outcomes should the Modification Proposal not be implemented)
Incorrect reference and errors will remain causing confusion in the reading of the T&SC

Working Group	**Impacts**
(State if Working Group considered necessary to develop	*(Indicate the impacts on systems, resources, processes*

proposal)	and/or procedures; also indicate impacts on any other Market Code such as Capacity Market Code, Grid Code, Exchange Rules etc.)
No	No
Please return this form to Secretariat by email to balancingmodifications@sem-o.com	