Market Operator's Performance Report

October 2019

Contents

Executive Summary

On 1 October 2018 the Integrated Single Electricity Market (I-SEM) went live and is now the enduring operational electricity market in Ireland and Northern Ireland.

This Single Electricity Market Operator's (SEMO) performance report covers the month of operation of October 2019 and is published in accordance with section B16.2 of the Trading and Settlement Code and the SEM Committee decision paper issued for the Legacy SEM market.

During the month of October 2019:

- There were 35 late publications of Indicative and Initial Settlement runs as per the Trading and Settlement Code timelines;
    - Key determinants of the delays were issues relating to the Instruction profiler following a system release and issues relating to the clock change
- 3 out of 4 Settlement Documents issued on time
- There were 5 defaults by Participants
- There were 14 new units registered in the market, and 2 new parties joined the market.
- There was 1 Credit default by Participants during October 2019 as per the Trading and Settlement code timelines;
- 172 general queries were received and 122 general queries were resolved, with 50 in progress.

This is the first Monthly performance report of the Market since I-SEM Go Live. SEMO welcomes all comments on the contents of this report. Comments should be sent preferably in email format to info@sem-o.com. The intention is for SEMO and the Regulatory Authorities to consult on the framework for reporting based on comments and feedback received and to implement any revisions where necessary.

1 Joining and Terminating Parties and Units

1.1 Balancing Market

The below Parties joined the Market between 01 October and 31 October 2019:

Party Name	Party ID	Participant ID	Unit ID
Fallback Limited	PY_034075	PT_402564	GU_403810
Glow Power Limited	PY_034073	PT_402562	SU_400339

Table 1 - Parties who joined the market in October 2019

The below units went effective in the Market between 01 October and 31 October 2019:

Party Name	Party ID	Participant ID	Unit ID
Glow Power Limited	PY_034073	PT_402562	SU_400339
ESB	PY_000030	PT_400030	GU_403790
Fallback Limited	PY_034075	PT_402564	GU_403810
Fallback Limited	PY_034075	PT_402564	SU_400342
Electroroute Energy Supply Limited	PY_000171	PT_400200	GU_403880
Gweedore Wind Farm Limited	PY_000021	PT_400021	GU_403840
SSE Airtricity Limited	PY_000021	PT_400021	AU_400119
SSE Airtricity Energy Supply (NI) Limited	PY_000022	PT_500021	AU_500113
ESB	PY_000030	PT_500024	GU_503400
Axpo UK Limited	PY_034070	PT_402560	GU_403830
Electroroute Energy Supply Limited	PY_000171	PT_400200	GU_403920
BRI Green Energy Limited	PY_000068	PT_400062	GU_403940
BRI Green Energy Limited	PY_000068	PT_400062	GU_403930
Cloghaneleskirt Energy Supply Limited	PY_000195	PT_402542	SU_400346

Table 2 – Registrations October 2019

The below unit de-registered from the Market between 01 October and 31 October 2019:

Party Name	Party ID	Participant ID	Unit ID
ESB	PY_000022	PT_500021	GU_501690
Axpo UK Limited	PY_000027	PT_400028	GU_401260
Harp Energy Supply Limited	PY_000178	PT_400217	GU_402170
Harp Energy Supply Limited	PY_000178	PT_400217	SU_400220
Brookfield Renewable Supply 4 Limited	PY_000191	PT_400230	GU_402310
Brookfield Renewable Supply 4 Limited	PY_000191	PT_400230	GU_402320
Cloghaneleskirt Energy Supply Limited	PY_000195	PT_402542	SU_400330
Teevurcher Supply Limited	PY_000183	PT_400215	SU_400224
B&R Supply Limited	PY_000196	PT_400237	SU_400233

Table 3 – De-Registrations October 2019

1.1 Termination of Participants

There were no terminating parties in October 2019.

1.2 Suspension of Participants

No Suspension Orders were issued by the Market Operator in October 2019.

2   Trading and Settlement Code Breaches

Breaches of the Trading and Settlement Code were noted in the following areas:

Trading and Settlement Code Breaches		Major	Minor
Area		Major	Minor
Data Providers		-	4
Market Participants	Clearing	5	-
	Credit Risk Management	1	-
Market Operator	Balancing Market	2	33
	Funds Transfer	-	-
	Credit Risk Management	-	-
	Other	-	-
Total		**8**	**37**

Table 4 – Trading and Settlement Code Breaches

Further details of each of the Trading and Settlement Code breaches noted above are set out in **Appendix A.**

Key:

- Major Breach - late publishing of settlement documents, default notices issued for non-payment or similar.
- Minor Breach - deadlines not met, but no financial implication to Participants. This includes late posting of settlement runs.

3   Balancing Market Settlements

3.1   *Indicative and Initial Settlement Runs*

For Historical information please see Appendix B – Historical Settlement Information.

The following series of tables and graphs represents the publications of Indicative and Initial Settlement runs. Every working day SEMO is obliged to issue Indicative and Initial settlement run statements.

Settlement Runs completed 01/10/2019 - 31/10/2019		
	Indicative	Initial
On Time	12	18
Same Day Late	0	4
> 1 Day Late	19	9
Total runs	31	31

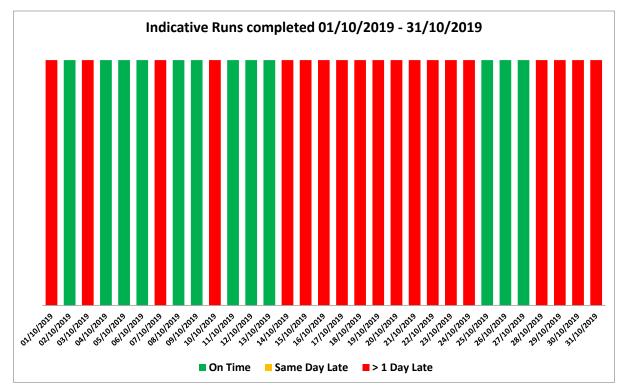Table 5 - Settlement Runs completed 01/10/2019 - 31/10/2019

Figure 1 Indicative Settlement Runs Completed

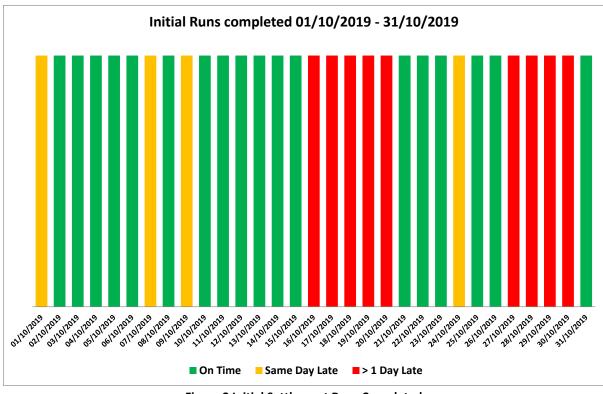Further details on publication times can be found in **Appendix C**

Figure 2 Initial Settlement Runs Completed

Further details on publication times can be found in **Appendix C**

3.2 Settlement Documents

The following table represents the publications of Initial Settlement Documents. SEMO is obliged to issue initial Settlement Documents 5 working days after the last day of the billing period.

Settlement Documents completed 01/10/2019 - 31/10/2019	
	No. of Weeks
On Time	3
Same Day Late	0
> 1 Day Late	1
Total runs	4

Table 6 - Settlement Documents completed 01/10/2019 - 31/10/2019

For further details on the delay to Settlement Documents please see **Appendix A.**

3.3   M+4 and M+13 Resettlement

M+4 Resettlement occurred on time for the month of October 2019 as scheduled in the Settlement Calendar.

M+13 Resettlement was not published on time as per the settlement calendar. The first M+13 resettlement was due to commence on October 25th 2019 however this was delayed until November 2019. Further details on this can be found in **Appendix A.**

4   Financial Statistics

4.1   *Cash Flow positions for Balancing Market, Capacity Market and Market Operator Charges*

The Balancing Market reflects actions taken by the TSOs to keep the system balanced, for example, for differences between the market schedule and actual system demand. It determines the imbalance settlement price for settlement of these balancing actions. This includes any uninstructed deviations from a participant's notified ex-ante position. All data displayed in this section displays Initial data from 01 October 2019 to 31 October 2019.

- Positive values indicate Payments were greater than Charges
- Negative values indicate Charges were greater than Payments
- All figures are in Euro

Balancing Market Cash Flow Position		
Component	**Component Name**	**€ Payment/Charge**
CDISCOUNT	Discount Payment	9,056,138
CPREMIUM	Premium Payment	8,690,764
CFC	Fixed Cost Payment or Charge	3,344,558
CIMB	Imbalance Payment or Charge	2,528,224
CAOOPO	Offer Price Only Accepted Offer Payment or Charge	88,273
CCURL	Curtailment Payment or Charge	4,428
CABBPO	Bid Price Only Accepted Bid Payment or Charge	0
CTEST	Testing Charge	-12,560
CDIFFCWD	Within-day Difference Charge	-26,090
CCA	Currency Adjustment Charge	-43,406
CUNIMB	Uninstructed Imbalance Charge	-245,432
CSOCDIFFP	Difference Payment Socialisation Charge	-317,368
CREV	Residual Error Volume Charge	-1,885,296
CIMP	Imperfections Charge	-30,167,919
Total		**-8,985,688**

Table 7 - Balancing Market Cash Flow Position

The Capacity Market is designed to help ensure that the generation capacity in Ireland and Northern Ireland (including Storage, Demand Side Units and Interconnector capacity) is sufficient to meet demand and that the regulatory approved generation adequacy standard is satisfied.

Capacity Market Cash Flow Position		
Component	Component Name	€ Payment/Charge
CCP	Fixed Market Operator Charge Generator Units	29,047,160.75
CCC	Fixed Market Operator Charge Supplier Units	-28,851,658.17
Total		195,502.58

Table 8 - Capacity Market Cash Flow Position

Market Operator charges are used to recover the costs of administering the market.

Market Operator Charges		
Component	Component Name	€ Payment/Charge
CMOAU	Fixed Market Operator Charge Generator Units	-58,756.33
CMOAV	Fixed Market Operator Charge Supplier Units	-1,512.50
CVMO	Variable Market Operator Charge	-1,125,495.45
Total		-1,185,764.28

Table 9 - Market Operator Charges

4.2   Financial Changes between Initial Settlement and Subsequent Reruns

M+4 Resettlement has been completed for Settlement Dates 30/12/2018 to 02/02/2019 during the month of October 2019. The tables below display the differences between the Initial run and the most recent resettlement run (M+4).

Balancing Market Resettlement			
Component	Initial	M+4	Difference
CABBPO	€383,513	€98,404	-€401,210
CAOOPO	€1,887,227	-€146,810	-€2,023,730
CCA	-€53,980	-€53,525	€1,103
CCURL	-€267,246	-€260,950	€5,550
CDIFFCNP	-€7,023,537	-€6,984,789	€38,748
CDIFFCWD	-€697,545	-€640,742	€66,751
CDIFFPIMB	€1,466,955	€1,355,411	-€111,544
CDISCOUNT	€16,349,396	€16,266,487	€688,711
CFC	€8,626,129	€16,663,466	€12,694,247
CIMB	€2,628,733	€5,213,721	€3,510,992
CIMP	-€18,691,531	-€18,581,928	€172,432
CPREMIUM	€11,070,021	€10,806,841	-€502,855
CREV	-€2,664,568	-€2,635,986	€48,534
CSOCDIFFP	-€1,337,005	-€1,319,098	€17,907
CTEST	-€25,357	-€25,357	€0
CUNIMB	-€400,795	-€404,331	€48,385
Total	€11,250,410	€19,350,815	€14,254,023

Table 10 - Balancing Market Resettlement

Capacity Market Resettlement			
Component	Initial	M+4	Difference
CCC	-7,023,537.49	-6,984,789.00	38,748.49
CCP	-697,545.26	-640,741.95	66,751.04
CSOCDIFFP	8,888,131.92	1,355,411.49	-7,532,720.43
Grand Total	1,167,049.17	-6,270,119.46	-7,427,220.90

Table 11 - Capacity Market Resettlement

Market Operator Charges Resettlement			
Component	Initial	M+4	Difference
CMOAU	-€1,337,005	-€1,319,098	€17,907
CMOAV	€0	€0	€0
CVMO	€0	€0	€0
Grand Total	-€1,337,005	-€1,319,098	€17,907

Table 12 - Market Operator Charges Resettlement

Financial Statistics Disclaimer: the above information represents settlement data aggregated during the month in assessment, which may be different to the accounting data audited post settlement period.

5   Query Management

5.1   General Queries

The statistics presented in Table 14 - Helpdesk Query Statistics cover the month of October 2019.

Received	Resolved	Open
172	122	50

Table 13 – Helpdesk Query Statistics

The average resolution time for queries in October 2019 was 2.6 working days.

Definitions

- Resolved refers to queries resolved within October 2019, and includes queries raised before this time.
- Resolution Time (Working Days) refers to average time to resolve, in working days, for this category of query. It is calculated based on all queries for the category, not just October 2019.
- Open refers to queries raised but not resolved as of 31st of October 2019

5.2   Settlement Queries

There were 29 Formal Settlement queries raised in October 2019.

17 have been upheld, 2 not upheld. 10 are unresolved formal queries that are currently under investigation.

Topic (upheld Queries)	Number of Queries
CFC	5
CCP	4
CUNIMB	2
CCURL	1
Metering	1
CPREMIUM	1
CDISCOUNT	1
CAOOPO	1
QAA	1

Table 14 – Upheld Settlement Queries by Topic

Further Details on Settlement queries that have been upheld can be found in **Appendix D.**

A full list of all unresolved Settlement queries raised in October 2019 can be found in **Appendix D.**

5.3   Disputes

Please see below table which represents the volume of Disputes raised in October 2019.

Topic	Number of Disputes	Disputes Upheld	Disputes not upheld	Disputes Rejected	Disputes withdrawn
Settlement Dispute	1	1			

Table 15 – Upheld Dispute Queries by Topic

6   Imbalance Price

6.1   Imbalance Price

There are two types of Imbalance Price referred to in this section; the Imbalance Price which is the price associated with a 5 Minute Imbalance Pricing Period; and secondly, an Imbalance Settlement Price which is calculated as the average of six "5 Minute Imbalance Prices" for a corresponding 30 minute Imbalance Settlement Period.

Figure 3 below shows the Imbalance Settlement Prices for October 2019. All system calculated Imbalance Settlement Prices are published on this graph; both the Market Back Up Price and the 30 minute average of the Imbalance Price. The average Imbalance Settlement Price for October was €47.79.
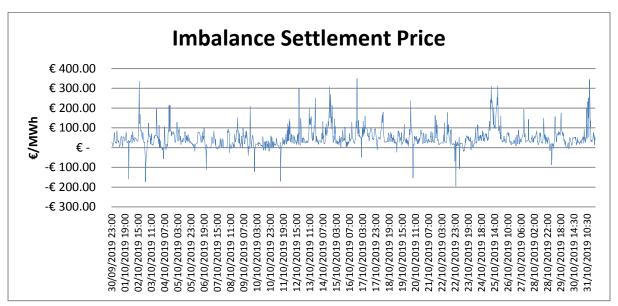

Figure 3 – Imbalance Settlement Price

Figure 4 below shows the Quantity Weighted Ex-Ante Price as a comparator to the Imbalance Settlement Price. The Quantity Weighted Ex-Ante Price is the value used by SEMO as the Market Back Up Price, should the Market Operator not be able to calculate an Imbalance Settlement Price; based on the average of the six Imbalance Prices for a given Imbalance Settlement Period.
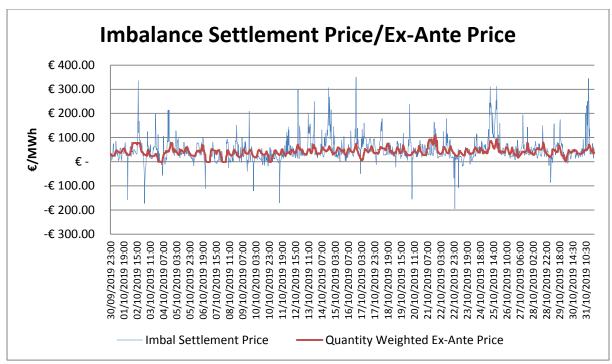
Figure 4 –Imbalance Settlement Price & Quantity Weighted Ex-Ante Price Comparison

Figure 5 below highlights the monthly Highest, Lowest and Average half-hour Imbalance Prices for the period October 2019.
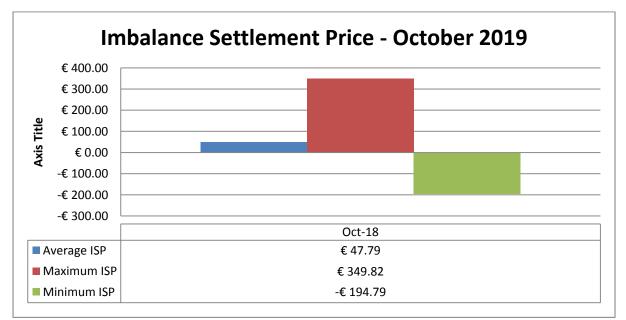

	Oct-18
■ Average ISP	€ 47.79
■ Maximum ISP	€ 349.82
■ Minimum ISP	-€ 194.79

Figure 5 –Highest, Lowest and Average Imbalance Prices

6.2 Exchange Rate

The SEM is a dual currency market, Units based in Northern Ireland submit their Offer Data in GBP. All GBP Offer Data is converted to EUR as part of the Balancing Market price setting process. The GBP to EUR exchange rate is captured below in **Figure 6**.
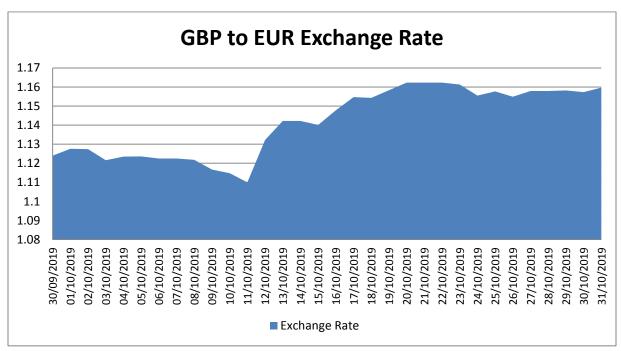

Figure 6 –GBP to EUR Exchange Rate

6.3 Imbalance Price Generation and Backup Price

The Market Back Up Price is calculated and published automatically by the Market Systems in the event that one or more 5 minute Imbalance Prices have not been calculated for an Imbalance Settlement Period. During this calendar Month there were 132 Market Back Up Prices published; as a result 310 missed Imbalance Prices[1].

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[1] If one or more five minute Imbalance Prices are not published in one Imbalance Settlement Period, then the Market Back up Price is used as the corresponding Imbalance Settlement Price.

7   Modifications

7.1   *Balancing Market – Trading & Settlement Code Modification Management*

The tables that follow give an overview of the activity that has taken place between 01 October 2019 and 31 October 2019. Table 16 shows the dates and number of Modifications Committee Meetings and Working Groups that took place over this period.

Meeting	Date	Location
94	24th October 2019	Belfast

Table 16: Balancing Market: Trading & Settlement Code Modifications Committee Meetings

At the Modifications Committee Meeting, decisions are made with regard to progressing various Modification Proposals. Table 17 gives an outline of the amount of activity that has taken place over this period.

Modification Proposal Activity	Total
Raised	6
Alternative Versions raised	1
Withdrawn	1
Deferred	5
Extension Granted	0
Recommended for Approval	6
Recommended for Rejection	0
Further Work Required	0
Approved	1
Rejected	0

Table 17 - Modification Proposal Activity

7.2   *2019 - Modifications Chair and Vice Chair Elections*

The election for Chair and Vice-Chair took place in September and concluded in October with Paraic Higgins (ESB) voted as Chair and Andrew Burke (IWEA) elected to the position of Vice-Chair.

7.3 Balancing Market - Modifications Process Development

Modification Proposals were considered at bimonthly Modifications Committee Meetings alternating between Belfast and Dublin or conference call where applicable (see Table 16).

Full details of all modifications progressed during the year are available in the Balancing Market Modifications section of the SEMO website.

Recommended for Approval

- Mod_03_19 Amended application of the Market Back Up Price if an Imbalance Price(s) fails to circulate
- Mod_04_19 Running indicative settlements on all days
- Mod_16_19 Codification of TSO FNDDS Methodology and System Service Flag for DSU Settlement
- Mod_18_19 Clarification to apply Recoverable Start Up Costs to DSUs
- Mod_19_19 Determining use of Complex Commercial Offer Data in Settlement when required information is not available
- Mod_20_19 Changing Day-ahead Difference Quantity to Day-ahead Trade Quantity in Within-day Difference Charge Calculations

RA Decision Approved

- Mod_10_19 Removal of negative QBOAs related to dispatchable priority dispatch units from the imbalance price

Withdrawn

- Mod_06_19 Determination of the Marginal Energy Action Price where no energy is available in the Net Imbalance Volume

8 Central Systems

8.1 System Releases

Once defects have been raised, the issue is assessed in the wider defect pool and assigned to a code drop in line with its severity and priority. Drop dates to test have been agreed with our vendor, with release to production plans provided based on successful test closures. Please see below the Releases from vendor that have gone into production in October 2019.

Release D – Deployed to production 15th of October 2019.

8.2 System Availability

The table below gives the system availability values for the month of October 2019.

System / Application	Annual Availability %
Settlements (CSB)	100
MI	100
MA	100
Reporting	100
Website	99.98
Average System Availability	**99.996**

<div align="center">Table 18 - Monthly Availability</div>

8.3 Known Issues Report

For details regarding system errors please refer to the latest Known Issues Report published on the SEMO website.

8.4 Limited Communication Failure (LCF), General Communication Failure (GCF) and General System Failure (GSF)

There was one Limited Communication Failure encountered during the Month of October 2019.

- A Limited Communication Failure was declared on the 31st October 2019, the Market Participant submitted an xml to the Market Operator to load in back up mode. The xml failed validation; no further attempts were made by the Market Participant to resubmit their Offer Data via back up mode.

Appendix A: Trading and Settlement Code Breaches

Meter Data Provider Breaches

Ops Date Identified	Run Type	Issue	MDP Provider	Issue Type	Description	T&SC Breach	Status
02/10/2019	D+1	Timing	MRSO	File Submission of metered data	Delay of 70 mins	Minor	Closed
10/10/2019	D+4	Timing	SONI MDP	File Submission of metered data	Delay of 41 mins	Minor	Closed
31/10/2019	D+4	Timing	SONI MDP	File Submission of metered data	Delay of 49 mins	Minor	Closed
07/10/2019	D+1	Timing	EirGrid MDP	File Submission of Actual Availabilities	Delay of 26 mins	Minor	Closed

Table 19 - Meter data provider breaches

Market Participant Breaches

PT Name	Invoiced Period	Market	Default issued due to	Default letter Issued	T&SCBreach	Status
Next Kraftwerke GmbH	WK_37_2019	BMCRM	Timing	Yes	Major	Closed
EP Ballylumford Limited	WK_38_2019	BMCRM	Timing	Yes	Major	Closed
Templederry Renewable Energy Supply Limited	Wk_39_2019	BMCRM	Timing	Yes	Major	Closed
Dublin Waste to Energy	Wk_39_2019	BMCRM	Timing	Yes	Major	Closed
Dan Twomey Waterpower Engineering Limited.	Wk_39_2019	BMCRM	Timing	Yes	Major	Closed

Table 20 Clearing Default Notices

OPS Date Identified	PT_Name	Issue Type	Default Letter Sent	Cause	Resolution	Closed	T&SC Breach
29/10/2019	Gortmullan	Credit	Yes	CCIN was not resolved within the T&S code time frames	Invoice Paid 02/11/2019	Yes	Major

Table 21 - Credit Default Notices

Market Operator Breaches

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
01/10/19 & 03/10/19	2	Indicative	Timing	SEMO	Settlements Data issue	Indicative runs were published late	Delay with the set-up of registration capacity data for new tariff year	Data set-up for settlements allowing processing to continue	Minor	Closed
07/10/19 10/10/19 14/10/19 - 19/10/19 23/10/19 - 24/10/19 28/10/19 - 31/10/19	14	Indicative	Timing	SEMO	Settlements Data processing issue	Indicative runs were published late	Instruction Profiler data processing issues	Instruction Profiler data processing issues resolved allowing processing to continue. (IP Push times, IP Clock change issue)	Minor	Closed
20/10/19	1	Indicative	Timing	SEMO	Settlements Data processing issue	Indicative runs were published late	Reliability Options scaling factor data incorrect	Reliability Options scaling factor data corrected allowing processing to continue	Minor	Closed
21/10/19 - 22/10/19	2	Indicative	Timing	SEMO	Settlements Data issue	Indicative runs were published late	Issue with importing actual availabilities and dispatch instructions	Actual availabilities and dispatch instructions imported allowing processing to continue	Minor	Closed

Table 22 – Delays to Indicative Settlement

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
01/10/19	1	Initial	Timing	SEMO	Additional analysis required	Initial run was published late	Additional analysis required on settlement outputs	Analysis completed to allow initial run to be published	Minor	Closed
07/10/19	1	Initial	Timing	SEMO	Additional analysis required	Initial run was published late	Additional analysis required on settlement outputs	Analysis completed to allow initial run to be published	Minor	Closed
09/10/19	1	Initial	Timing	SEMO	Additional analysis required	Initial run was published late	Additional analysis required on settlement outputs	Analysis completed to allow initial run to be published	Minor	Closed
16/10/19	1	Initial	Timing	SEMO	Settlements Data issue	Initial run was published late	Issue with importing actual availabilities and dispatch instructions	Actual availabilities and dispatch instructions imported allowing processing to continue	Minor	Closed
17/10/19 - 20/10/19	4	Initial	Timing	SEMO	Settlements Data processing issue	Initial run was published late	Instruction Profiler data processing issues with SONI MDP data. Indicative data getting imported as Initial data.	SONI MDP data re-submitted and imported, Intial data pushed through again and Instruction Profiler data processing issues resolved allowing processing to continue.	Minor	Closed
24/10/19	1	Initial	Timing	SEMO	Settlements Data processing issue	Initial run was published late	Bill case performance - took over one hour to complete	Bill case completed allowing initial run to be published	Minor	Closed
27/10/19 - 30/10/19	4	Initial	Timing	SEMO	Settlements Data processing issue	Initial run was published late	Instruction Profiler data processing issues due to clock change and pricing defect fix applied	Instruction Profiler data processing issues resolved allowing processing to continue. (IP Clock change issue fix applied, pricing fix re-applied)	Minor	Closed

Table 23 – Delays to Initial Settlement

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
30/09/2018 - 06/09/2018	1	M+13	Timing	SEMO	Settlements Data processing issue	M+13 run was published late	Instruction Profiler data processing issues	Instruction Profilor issue for Initial Settlement and Settlement Documents which occurred during October 2019 had a knock on impact to the M+13 schedule.	Minor	Closed

Table 24 – Delay to M+13 Resettlement

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
13/10/19 - 19/10/19	1	Settlement Documents	Timing	SEMO	Settlements Data processing issue	Initials for the 17th - 19th delayed and were published late, this caused Settlement Documents to be delayed by one business day	Instruction Profiler data processing issues with SONI MDP data. Indicative data was also getting imported as Intial data.	SONI MDP data re-submitted and imported, Intial data pushed through again and Instruction Profiler data processing issues resolved allowing processing to continue. Settlement Documents published on the 29th October, with payments in and out dates adjusted by one day due to delay.	Major	Closed
30/09/18 - 06/09/18	1	Settlement Documents	Timing	SEMO	Settlements Data processing issue	M+13 run was published late	Instruction Profiler data processing issues	Instruction Profilor issue for Initial Settlement and Settlement Documents which occurred during October 2019 had a knock on impact to the M+13 schedule.	Major	Closed

Table 25 – Delays to Settlement Documents

Appendix B: Historical Settlement Information

Settlements : July 2019 data key process updates

Settlement Dates	Run Category	Run Type	Runs to complete	On Time	Delayed – Same Day publication	Delayed > 1 Day
1st – 31st	Settlements	Indicative	31	17	4	10
1st – 31st	Settlements	Initial	31	29	2	-
Sep 30th 2018 – Oct 27th 2018	M+4 Resettlement	Weekly	28	28	-	-
1st – 31st	Credit Reports	Daily	66	66	-	-
1st – 31st	Payments In	Weekly	4	4	-	-
1st – 31st	Payments Out	Weekly	4	4	-	-
1st-31st	Settlement Documents	Weekly	4	4		

Figure 7 - Settlement Information July 2019

Settlements : August 2019 data key process updates

Settlement Dates	Run Category	Run Type	Runs to complete	On Time	Delayed – Same Day publication	Delayed > 1 Day
1st – 31st	Settlements	Indicative	31	19	3	8
1st – 31st	Settlements	Initial	31	28	3	-
Oct 28th 2018 – Dec 1st 2018	M+4 Resettlement	Weekly	28	28	-	-
1st – 31st	Credit Reports	Daily	66	66	-	-
1st – 31st	Payments In	Weekly	4	4	-	-
1st – 31st	Payments Out	Weekly	4	4	-	-
1st – 31st	Settlement Documents	Weekly	4	4		

Figure 8 - Settlement Information August 2019

Settlements : Sep 2019 data process updates

Settlement Dates	Run Category	Run Type	Runs to complete	On Time	Delayed – Same Day publication	Delayed > 1 Day
1st – 30th	Settlements	Indicative	30	10	9	11
1st – 30th	Settlements	Initial	30	17	6	7
Dec 2nd 2018 – Dec 29th 2018	M+4 Resettlement	Weekly	28	28	-	-
1st – 30th	Credit Reports	Daily	66	66	-	-
1st – 30th	Payments In	Weekly	4	4	-	-
1st – 30th	Payments Out	Weekly	4	4	-	-
Aug 25th – Sep 21st	Settlement Documents	Weekly	4	1	2	1

Figure 9 - Settlement Information September 2019

Appendix C: Settlement Publication Timings

Indicative Settlement

Operational Date	Market	Run	Period End Date	Target Date	Target Time	Publish Time
02/10/2019	BALIMB	Indicative	01/10/2019	02/10/2019	02/10/2019 17:00	03/10/2019 15:49
03/10/2019	BALIMB	Indicative	02/10/2019	03/10/2019	03/10/2019 17:00	03/10/2019 16:34
04/10/2019	BALIMB	Indicative	03/10/2019	04/10/2019	04/10/2019 17:00	07/10/2019 13:00
07/10/2019	BALIMB	Indicative	04/10/2019	07/10/2019	07/10/2019 17:00	07/10/2019 14:29
07/10/2019	BALIMB	Indicative	05/10/2019	07/10/2019	07/10/2019 17:00	07/10/2019 15:09
07/10/2019	BALIMB	Indicative	06/10/2019	07/10/2019	07/10/2019 17:00	07/10/2019 15:40
08/10/2019	BALIMB	Indicative	07/10/2019	08/10/2019	08/10/2019 17:00	09/10/2019 08:49
09/10/2019	BALIMB	Indicative	08/10/2019	09/10/2019	09/10/2019 17:00	09/10/2019 15:25
10/10/2019	BALIMB	Indicative	09/10/2019	10/10/2019	10/10/2019 17:00	10/10/2019 15:45
11/10/2019	BALIMB	Indicative	10/10/2019	11/10/2019	11/10/2019 17:00	14/10/2019 11:49
14/10/2019	BALIMB	Indicative	11/10/2019	14/10/2019	14/10/2019 17:00	14/10/2019 14:43
14/10/2019	BALIMB	Indicative	12/10/2019	14/10/2019	14/10/2019 17:00	14/10/2019 15:33
14/10/2019	BALIMB	Indicative	13/10/2019	14/10/2019	14/10/2019 17:00	14/10/2019 16:01
15/10/2019	BALIMB	Indicative	14/10/2019	15/10/2019	15/10/2019 17:00	16/10/2019 16:18
16/10/2019	BALIMB	Indicative	15/10/2019	16/10/2019	16/10/2019 17:00	17/10/2019 07:42
17/10/2019	BALIMB	Indicative	16/10/2019	17/10/2019	17/10/2019 17:00	18/10/2019 08:33
18/10/2019	BALIMB	Indicative	17/10/2019	18/10/2019	18/10/2019 17:00	21/10/2019 09:24
21/10/2019	BALIMB	Indicative	18/10/2019	21/10/2019	21/10/2019 17:00	22/10/2019 09:00
21/10/2019	BALIMB	Indicative	19/10/2019	21/10/2019	21/10/2019 17:00	22/10/2019 09:05
21/10/2019	BALIMB	Indicative	20/10/2019	21/10/2019	21/10/2019 17:00	22/10/2019 11:32
22/10/2019	BALIMB	Indicative	21/10/2019	22/10/2019	22/10/2019 17:00	23/10/2019 13:37
23/10/2019	BALIMB	Indicative	22/10/2019	23/10/2019	23/10/2019 17:00	28/10/2019 08:26
24/10/2019	BALIMB	Indicative	23/10/2019	24/10/2019	24/10/2019 17:00	28/10/2019 14:39
25/10/2019	BALIMB	Indicative	24/10/2019	25/10/2019	25/10/2019 17:00	28/10/2019 15:11
29/10/2019	BALIMB	Indicative	25/10/2019	29/10/2019	29/10/2019 17:00	29/10/2019 08:22
29/10/2019	BALIMB	Indicative	26/10/2019	29/10/2019	29/10/2019 17:00	29/10/2019 08:24
29/10/2019	BALIMB	Indicative	27/10/2019	29/10/2019	29/10/2019 17:00	29/10/2019 08:26
29/10/2019	BALIMB	Indicative	28/10/2019	29/10/2019	29/10/2019 17:00	06/11/2019 12:08
30/10/2019	BALIMB	Indicative	29/10/2019	30/10/2019	30/10/2019 17:00	06/11/2019 12:30
31/10/2019	BALIMB	Indicative	30/10/2019	31/10/2019	31/10/2019 17:00	06/11/2019 13:25
01/11/2019	BALIMB	Indicative	31/10/2019	01/11/2019	01/11/2019 17:00	06/11/2019 14:31

Table 26 – Indicative Settlement Publication times

Initial Settlement

Operational Date	Market	Run	Period End Date	Target Date	Target Time	Publish Time
08/10/2019	BALIMB	Initial	01/10/2019	08/10/2019	08/10/2019 12:00	08/10/2019 15:00
09/10/2019	BALIMB	Initial	02/10/2019	09/10/2019	09/10/2019 12:00	09/10/2019 10:45
10/10/2019	BALIMB	Initial	03/10/2019	10/10/2019	10/10/2019 12:00	10/10/2019 10:00
11/10/2019	BALIMB	Initial	04/10/2019	11/10/2019	11/10/2019 12:00	10/10/2019 15:33
11/10/2019	BALIMB	Initial	05/10/2019	11/10/2019	11/10/2019 12:00	10/10/2019 16:03
11/10/2019	BALIMB	Initial	06/10/2019	11/10/2019	11/10/2019 12:00	11/10/2019 09:50
14/10/2019	BALIMB	Initial	07/10/2019	14/10/2019	14/10/2019 12:00	14/10/2019 12:31
15/10/2019	BALIMB	Initial	08/10/2019	15/10/2019	15/10/2019 12:00	15/10/2019 10:40
16/10/2019	BALIMB	Initial	09/10/2019	16/10/2019	16/10/2019 12:00	16/10/2019 14:10
17/10/2019	BALIMB	Initial	10/10/2019	17/10/2019	17/10/2019 12:00	17/10/2019 07:48
18/10/2019	BALIMB	Initial	11/10/2019	18/10/2019	18/10/2019 12:00	17/10/2019 15:44
18/10/2019	BALIMB	Initial	12/10/2019	18/10/2019	18/10/2019 12:00	18/10/2019 07:44
18/10/2019	BALIMB	Initial	13/10/2019	18/10/2019	18/10/2019 12:00	18/10/2019 09:18
21/10/2019	BALIMB	Initial	14/10/2019	21/10/2019	21/10/2019 12:00	21/10/2019 10:25
22/10/2019	BALIMB	Initial	15/10/2019	22/10/2019	22/10/2019 12:00	22/10/2019 11:02
23/10/2019	BALIMB	Initial	16/10/2019	23/10/2019	23/10/2019 12:00	25/10/2019 16:24
24/10/2019	BALIMB	Initial	17/10/2019	24/10/2019	24/10/2019 12:00	28/10/2019 13:10
25/10/2019	BALIMB	Initial	18/10/2019	25/10/2019	25/10/2019 12:00	28/10/2019 13:53
25/10/2019	BALIMB	Initial	19/10/2019	25/10/2019	25/10/2019 12:00	29/10/2019 08:31
25/10/2019	BALIMB	Initial	20/10/2019	25/10/2019	25/10/2019 12:00	29/10/2019 08:35
29/10/2019	BALIMB	Initial	21/10/2019	29/10/2019	29/10/2019 12:00	29/10/2019 08:46
29/10/2019	BALIMB	Initial	22/10/2019	29/10/2019	29/10/2019 12:00	29/10/2019 11:45
30/10/2019	BALIMB	Initial	23/10/2019	30/10/2019	30/10/2019 12:00	30/10/2019 11:22
31/10/2019	BALIMB	Initial	24/10/2019	31/10/2019	31/10/2019 12:00	31/10/2019 12:14
01/11/2019	BALIMB	Initial	25/10/2019	01/11/2019	01/11/2019 12:00	01/11/2019 11:32
01/11/2019	BALIMB	Initial	26/10/2019	01/11/2019	01/11/2019 12:00	01/11/2019 11:49
01/11/2019	BALIMB	Initial	27/10/2019	01/11/2019	01/11/2019 12:00	06/11/2019 15:13
04/11/2019	BALIMB	Initial	28/10/2019	04/11/2019	04/11/2019 12:00	07/11/2019 09:44
05/11/2019	BALIMB	Initial	29/10/2019	05/11/2019	05/11/2019 12:00	07/11/2019 10:19
06/11/2019	BALIMB	Initial	30/10/2019	06/11/2019	06/11/2019 12:00	07/11/2019 11:05
07/11/2019	BALIMB	Initial	31/10/2019	07/11/2019	07/11/2019 12:00	07/11/2019 11:39

Table 27 – Initial Settlement Publication times

Appendix D: List of Queries by Type

Date Sent	Due Date	Query Ref No.	Charge Component
01/10/2019	29/10/2019	F0085200	CFC
01/10/2019	29/10/2019	F0085202	CFC
01/10/2019	29/10/2019	F0085207	CCURL
07/10/2019	19/11/2019	F0085228	CFC
07/10/2019	05/11/2019	F0085229	Actual Availabilities
08/10/2019	06/11/2019	F0085230	QM
09/10/2019	07/11/2019	F0085231	CSU, CSUR
09/10/2019	07/11/2019	F0085236	CCP
10/10/2019	08/11/2019	F0085239	CAOOPO, CPREMIUM, CDISCOUNT
14/10/2019	12/11/2019	F0085242	CCP
14/10/2019	12/11/2019	F0085243	CCP
16/10/2019	14/11/2019	F0085248	QM
16/10/2019	28/11/2019	F0085251	CFC
24/10/2019	22/11/2019	F0085276	CUNIMB
24/10/2019	22/11/2019	F0085277	CUNIMB
29/10/2019	26/11/2019	F0085293	CCP
29/10/2019	26/11/2019	F0085294	CCP

Table 28- Upheld Queries

Date Sent	Due Date	Query Ref No.	Charge Component
18/10/2019	02/12/2019	F0085265	CDISCOUNT
18/10/2019	02/12/2019	F0085268	CPREMIUM
21/10/2019	03/12/2019	F0085269	CDISCOUNT
25/10/2019	09/12/2019	F0085280	CUNIMB
29/10/2019	26/11/2019	F0085286	CAOOPO
29/10/2019	26/11/2019	F0085287	CUNIMB
29/10/2019	26/11/2019	F0085288	CUNIMB
30/10/2019	27/11/2019	F0085296	CIMB
30/10/2019	27/11/2019	F0085297	CCP
31/10/2019	28/11/2019	F0085298	CUNIMB

Table 29- Unresolved Formal Queries