

SEMO, SEMOpX  
Known Issues Report  
Friday 16 April 2021

New/ Modified this week   
Closed This week

Balancing Market									
ID	Name	Description	Impact to Market Participants	Status	Resolution Date	Release Date	Release Version	Date Added	Date Modified
147498 (5977)	REPT_082	REPT_082 PUB_AvgOutturnAvail is publishing data for de-registered units	May cause issues for Market Participants that are validating against PUB_DailyRegisteredUnits	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 29 March 2019	Friday 5 February 2021
147526 (5942)	VTOD Changes Taking Effect on Approval	Approved changes to VTOD are taking effect on the operational day that the change is approved, rather than the next Trading Day for which Gate Closure 1, has not yet occurred.	VTOD changes will take effect in the market systems on the date of approval. Note – SEMO are implementing a workaround whilst this defect remains open.	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 15 March 2019	Friday 5 February 2021
147516 (5952)	REPT_008: Imbalance Price Report	Total Unit Availability field within the Imbalance Price Report is being calculated incorrectly.	The report may display incorrect Total Unit Availability values. The report presents inaccurate information.	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 1 March 2019	Friday 5 February 2021
146978 (6185)	REPT_035 PUB_DailyRegisteredUnits	Units within this report are displayed incorrectly as deregistered and then reregistered.	Some Participants having issues accessing the report through Type 3 communication. This also results in the incorrect Registration Date displayed.	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 10 January 2020	Friday 5 February 2021
107468 (5796)	REPT_042	The Forecast Imbalance Report is not calculating the sum of the data within the reports correctly.	The Net Interconnector Schedule value is incorrectly reporting as 0 when both interconnectors are on full export. The data for the Moyle Interconnector are sometimes not contained within the calculated and reported value for the Net Interconnector Schedule attribute.	In Analysis	Release TBC Resolution: Software update from vendor			Thursday 15 November 2018	Friday 18 October 2019
179136 (168634)	Incorrect application of COD in Imbalance Pricing	Imbalance Pricing is in certain circumstances applying Complex COD for a Price Bid Offer Acceptance (PBOA), where Simple COD should be applied.	Incorrect PBOA values being applied, resulting in impact to Imbalance Price.	In Analysis	Release TBC Resolution: Software update from vendor			Sunday 22 March 2020	
157093	Minor inconsistencies in Generation Schedule for Wind Units Within RTD	Reopened 20/11/2020 Slight inconsistencies in the Generation Schedule for wind Units within RTD resulting in occasional inaccuracies in determining the correct flags.	The incorrect application of the Imbalance Price Flag may impact on the calculation of the Imbalance Price; where the defect is present.	In Analysis	Release TBC Resolution: Software update from vendor			Friday 13 March 2020	Friday 20 November 2020

SEMO Settlement									
ID	Name	Description	Impact to Market Participants	Status	Resolution Date	Release Date	Release Version	Date Added	Date Modified
147496 (5980)	CRM Unit Capacity values being knocked off following Reg import due to overlapping date ranges	A number of unit CRM Unit capacity is being set to zero following the import of registration data. This is due to a system defect of how it handles overlapping dates	Where the CRM unit capacity was replaced with a zero due to overlapping dates, Capacity payments will not have been calculated due to missing qCCOMMISS value	In Analysis	Release TBC Resolution: Software update from vendor			Friday 17 May 2019	
147300 (5998)	Differences in BOA values between OUI and CSB	Differences in BOA values between OUI and CSB intermittently	Missing volumes from Initial IP leading to inaccurate balancing settlement	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 12 April 2019	Friday 5 February 2021
135352	Updated PMO market prices cannot be made effective for Tariff Year (Only 1st January onwards)	The PMO market prices is changed each tariff year by the RAs which is 01/10/ - 30/09 but CSB only allows the user to input a Market Price from the 01/01 each year.	This will not allow CSB to calculate Variable market operator charges on a Tariff year as required. Modification and system CR required on the basis of the definition of year relevant to this parameter. (PVMO)	In Analysis	Release TBC Resolution: Software update from vendor			Friday 4 October 2019	
157930 (136475 & 6148)	Settlement Document Creation	Settlement Document Creation is limited to four Billing Periods.	Vendor has stated limiting Settlement Document runs to max of four billing periods as a workaround. This means at least two Settlement Documents have to be issued on weeks where there are more than four billing periods to be settled.	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 18 October 2019	Friday 5 February 2021
147192 (6165)	Pseudo DIs not being created for DSU Desync Instructions in Settlement IP	The Settlement Instruction Profiler is skipping over DSU desync instructions issued by the TSO. Resulting in incorrect BOAs within Settlement.	DSUs are not being desynced correctly within settlement IP as per effective time of desync instructions. Resulting in incorrect BOAs and settlement. Due to the IP skipping over the instruction the unit is being seen as kept on longer than the instructed desync effective time within the submitted DI.	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 8 November 2019	Friday 5 February 2021
146749 (5447)	Currency Jurisdiction being set to NULL where jurisdiction is not ROI or NI.	REPT_055, REPT_056, REPT_059, REPT_060 currency publication being set to null where jurisdiction is not ROI or NI.	Publication error where a units jurisdiction is registered other than ROI or NI.	In Analysis	Future Release - Not targeting Rel F Resolution: Software update from vendor			Friday 13 December 2019	Friday 23 October 2020
146721 (5318)	Settlement Calendar Publication times of statements	Publish Settlement Statement on a day prior to the Settlement Calendar Operational Day for the event will not set Publish Time in the Settlement Calendar	The publish timestamps of settlement statements is not being updated correctly within the settlement calendar.	Planned Resolution	Release: Target for Release G Resolution: Software update from vendor			Friday 13 December 2019	Friday 5 February 2021
156674 (153771 & 206073)	ISEM CSUR Heat States incorrectly	The last shutdown from a prior settlement day was not properly passed as part of the initial condition information for succeeding settlement runs. This causes the incorrect calculation of the OFF_TIME which is the basis for determining the heat-state.	Incorrect heat states affecting CSUR and CNL calculations when scenario occurs	In Analysis	Future Release - Not targeting Rel F Resolution: Software update from vendor			Friday 21 February 2020	Friday 12 February 2021
172107	CFC CSU Not Processed Correctly	There are two problems with payment of Startup cost in situations where there are two (or more) Periods of Physical Operation (PPOP) that starts within a Settlement Imbalance Period. 1) It is only the last Periods of Physical Operation (PPOP) that will get the Startup Cost as the function in CSB does an update of the interval value instead of an addition of each of the PPOP values. This is easy to fix in CSB. 2) The warmth state is not set correct for the second (or third/fourth...) PPOP. The warmth state is given by MA as a Settlement Imbalance Period flag per resource.	In the situation with a unit X for the half hour period ending 19:00 on 25.08.19: Both of the PPOP will have a warmth state set to C (cold). This does not matter for this specific scenario since the Hot/Warm/Cold Start Up costs are all the same, but that is not always the situation.	Planned Resolution	Release: Target for Release G** Resolution: **CSB portion to be included – MA/MI fix to follow in future release			Friday 12 June 2020	Friday 5 February 2021
191950 (SF 1462042)	Unexplained IP QBOA Slope Error	Unexplained IP QBOA Slope Error, present for specific date (20/05/2019) is not part of original defect (147307 / SF 1254049/1191427 – “ISEM Slope Error”) and therefore root cause may be unrelated.	QBOA volumes not calculated correctly for affect periods where Instruction Profiler ‘Error in Slope’ generated.	In Analysis	Release: Target for Release G Resolution: Referred to vendor			Friday 25 September 2020	Friday 5 February 2021
177362	CFC missing CSU payments intermittently	Generator CFC for certain billing periods is missing CSU payments for a small number of ISPs.	Possibly linked to existed KIR ID #172107.	Planned Resolution	Release: Target for Release G Resolution: Referred to vendor			Friday 25 September 2020	Friday 5 February 2021
193920 (193305)	FMOC Statement	MO not charging FMOC (CMOAU and CMOAV) to any new units (SU, DSU, GU) registered from May 2020 onwards The issue is not de-registration/re-registration process specific it affects all new units.	MO not charging FMOC (CMOAU and CMOAV) to any new units (SU, DSU, GU) registered from May 2020 onwards	In Analysis	TBC Resolution: Referred to vendor			Friday 16 October 2020	Friday 23 October 2020
147213	MMS/OUI	Defect- Incorrect Heat State as part of default initial conditions	The incorrect heat state is being picked when default initial conditions are applied after a missed price.	In Analysis	TBC Resolution: Referred to vendor			Friday 6 November 2020	
146691	MMS/OUI	QBOA_S014_C005: No QBOA's created for a Unit when SYNC & MWWOF instructions are issued & cross the Settlement Day Boundary, QBOAs are created from 23:30 - 00:00, but none created the next day.	No QBOA's created for a Unit when SYNC & MWWOF instructions are issued & cross the Settlement Day Boundary, QBOAs are created from 23:30 - 00:00, but none created the next day.	In Analysis	TBC Resolution: Referred to vendor			Friday 6 November 2020	
157926	MMS/OUI	BOA_FIXED_COST missing in M+4 override Push	BOA_FIXED_COST missing in M+4 override Push	In Analysis	TBC Resolution: Referred to vendor			6 November 2020	
198848	CSUR Heat State defect – Changing Heat State @M13	There are examples of Heat States for CSUR being changing from correct values at M4 resettlement (prior to Release F) to incorrect at M13 resettlement (following Release F).	No impact going forward as worked around in production is in place. One formal query prior to this was caught in production.	In Analysis	Being worked around in production with updated procedures to correct the resettlement initial conditions.			Friday 27 November 2020	Friday 4 December 2020
146871	Incorrect Instruction Profile created	Incorrect Instruction Profile created 1 scenarios being investigated by the Vendor (ABB)	BOA volumes may be incorrect in a small specific number of scenarios affecting BALIMB Settlement amounts	In Analysis	TBC Resolution: Referred to vendor			Friday 4 December 2020	
146559	Incorrect DQ calculation for Interconnectors, feeding to settlement	Workaround implemented in settlements so no impact on PTs	I/C BOA volumes may be incorrect in a small specific number of scenarios affecting BALIMB Settlement amounts	In Analysis	TBC Resolution: Referred to vendor			Friday 4 December 2020	
149483	Number of instances where instructions are not being processed correctly in IPQBOA	Related to recent issue in production settlement leading to IP failure and settlement processing being stopped	BOA volumes may incorrect in a small specific number of scenarios affecting BALIMB Settlement amounts	In Analysis	TBC Resolution: Referred to vendor			Friday 4 December 2020	
146857	Process does not allow TOD to change	Process does not allow TOD to change on 23:00 (currently a single TOD set per settlement day only is facilitated)	No effect on BALIMB settlement amounts to date	In Analysis	TBC Resolution: Referred to vendor			Friday 4 December 2020	

**SEMO, SEMOpX**  
**Known Issues Report**  
 Friday 16 April 2021

New/ Modified this week   
 Closed This week

203824	Calculation of PTB for DSU & TSSU	Incorrect settlement of CEADSU and TSSU metering during high price events	Incorrect settlement of CEADSU and TSSU metering during high price events is leading to an incorrect outcome for TSSU's linked to a DSU	In Analysis	TBC Resolution: Referred to vendor				Friday 8 January 2021	
200756	IP ONLINE failing due to FPN Cross Point error - Enduring fix	<ul style="list-style-type: none"> <li>A SYNC with MWOFF less than MINGEN is issued for GU_X at 08:00 GMT. So, MWOFF is set to the MINGEN.</li> <li>There are then multiple MWOFF instructions (effective at 08:30, 09:00, 12:59...) soon after the SYNC. These overlapping MWOFF instructions cause the unit to go below the MINGEN.</li> <li>This caused the instruction profile to stay below the MINGEN. As a result, the SYNC is not processed as the software fails to calculate the time at which it reaches PMIN.</li> <li>This results in erroneous QBOA orders and volumes for rest of the intervals.</li> <li>This is a case of SYNC overlap which is not designed in the current software</li> </ul>	No Bid Offer Acceptance volumes created for the affected ISPs, resulting in incorrect settlement outcomes	In Analysis	TBC Resolution:				Friday 22 January 2021	
208208 (200702 & 200785)	Incorrect BOAs caused by dwelling profiles	<p>A defect has been identified for some BOA volumes which we believe are incorrect. These BOAs occurred in M+4.</p> <p>Sample unit has dwell trigger points of 48MW and 96MW on the 04/02/2020. The unit is at 48MW since the night before. Once the FPN changes from 48MW to 49MW, each PISP does not close automatically but must dwell either once or twice before closing. An incorrect PISP volume appears to be created.</p>	Small materiality for BALIMB M4 Resettlement for a specific unit and date.	In Analysis	TBC Resolution:				Friday 12 February 2021	
208126	Incorrect CNL Payments	<p>A defect has been identified for CNL being paid in periods when we believe it should not be.</p> <p>On review, a question was raised as to why CNL was being paid for the period of 21:30 on the 18/11/2020 despite the unit having a non-zero FPN in this period. When this was examined, it was determined this was not the only occurrence of this.</p> <p>The Trading and Settlement Code is clear that if the FPN is non-zero for any point in a settlement period, then CNL should be zero. In each of the impacted periods, the unit FPN is returning to 0. However, as the FPN was non-zero in the period, CNL should be 0.</p>	Materiality for BALIMB settlement with materiality across the market estimate to be around €300K i.e. CFC payments that were incorrectly paid.	In Analysis	TBC Resolution:				Friday 12 February 2021	
208363	Incorrect DQ for Wind Unit	<p>An incident has been raised with our vendor in relation to the instruction profiling of a wind unit on a specific date. SEMO cannot establish the source of a Dispatch Instruction, causing an incorrect DQ to be calculated.</p> <p>There appears to be a LOCL DI to x MW that is unexplained.</p>	A wind units DQ is stuck at a certain DQ level for most of the day due to an "MWOFF" instruction, but this instruction appears incorrect. Minor materiality for wind unit for dates from the 10th - 21st November.	In Analysis	TBC Resolution:				Friday 12 February 2021	
209780	CSB_incorrect QTID Calculation	<p>An error was found in the implementation of Within Day Difference Charges Requirement SCC-F-623 which has updates for CR119 and provided the below details:</p> <p>The following calculation has not been done:  <math>[QTID]_{uyk} = [qTID]_{xuhk} \times \text{Min}([DTID]_{x, DISP})</math></p> <p>Instead QTID has been set equal to qTID.</p> <p>Note that this has been a problem since go-live.</p> <p>As a note Within Day Difference Payments and CEADSIDT is doing the correct calculation of QTID.</p> <ul style="list-style-type: none"> <li>Reporting of qTID in REPT_044:</li> <li>-&gt; Reporting for SU (non TSSU) is reporting qTID as MWh value.</li> </ul>	<p>Only CDIFFCTWD and CDIFFPTID are affected.</p> <p>This could be an issue when the PIMB goes above PSTR as QTID is used in the calculation of QDIFFTRACKB, which in turn feeds into the calculation of QDIFFCTWD for when QTID &gt; 0. This situation is very unlikely to occur and will be fine for the most part as the QTID is used in a MIN which also has QEX.</p>	In Analysis	Release: Partial target for release G Resolution: Software update from vendor				Tuesday 16 February 2021	
146691	(UNDO) No QBOA's created for a Unit when SYNC & MWOFF instructions are issued & cross the Settlement Day Boundary	For Unit, GU_X, a SYNC and MWOFF is issued right before the Settlement Day boundary where the instructions cross the Settlement Day boundary, QBOA's should be created in the next settlement day as the instructions close across the Settlement Day boundary and the Unit has a non-zero FPN. Potentially requires a system change request to cover this and other related UNDO defects.	No QBOA volumes created affecting settlement outcomes for specific unit and trading period.	In Analysis	TBC Resolution:				Friday 19 February 2021	
210214	PBOA issue 1 - unit incorrectly settled on Complex COD in settlement	For ISP 13:00 (04/02/2020), complex inc prices were €xx.xx for order 2 band 4 and €yy.yy for order 2 band 5. The corresponding simple prices were €x1.x1 and €y1.y1 respectively. The complex prices were used despite Dis after gate closure and FSO/TNIV = 1 for all 5 minute periods in the ISP	Unit incorrectly settled on Complex COD in settlement ISP	In Analysis	TBC Resolution:				Friday 19 February 2021	
210215	PBOA issue 2 - unit incorrectly settled on Complex COD in settlement	Within the 15:30 (04/02/2020) ISP, GU_X has been settled on both simple and complex. There is no data in the Imbalance Price BOA Output table i.e. no tags/flags present for this unit during this time so the TNIV/FSO should default to 1 (pre-CR91). Therefore we believe order 5 has been incorrectly settled on complex COD.	Unit incorrectly settled on Complex COD in settlement ISP	In Analysis	TBC Resolution:				Friday 19 February 2021	
210216	PBOA issue 3 - PBOA value present when QBOA is zero in settlement	For GU_Y on 04/02/2020 14:00 - order 2, band 1: PBOA_QAO of €xxx.xx is applied while QAO is 0. We suspect a value may have been calculated for QAO but it is extremely small (<0.01) and it was then rounded to 0, but PBOA is still applying.	Incorrect PBOA value present when QBOA is zero in settlement for an ISP	In Analysis	TBC Resolution:				Friday 19 February 2021	
210217	PBOA issue 4 - COD from incorrect ISP applied in settlement	On 19/11/2020 00:00 (last ISP on 18/11/2020), GU_Z was settled on complex with PBOA_QAB of €xx.xx. However €xxx.xx is not the COD that was submitted for this ISP. €yy.yy relates to COD that was submitted earlier in the day on 18/11/2020, specifically for trade date 18th (17/11/2020 23:00 to 18/11/2020 23:00) so should not apply to 19/11/2020 00:00.	Incorrect PBOA value used in ISP as COD from incorrect period applied in settlement	In Analysis	TBC Resolution:				Friday 19 February 2021	
209147	QABNF appears incorrect in the Settlement Calculations for a specific unit.	QABNF appears incorrect in the Settlement Calculations for a specific unit. It appears that SEMO might be using a 0 QM in the QFPNNF calculation rather than the QM of the SU.	Incorrect QABNF in settlement calculation for a specific generator unit for a specific date.	In Analysis	TBC Resolution:				Friday 19 February 2021	
210568	PSU QD being set to QM for calculations (other than CUNIMB)	<p>CSB reports QD as equal to the QM value when pumping, which it does for purposes of CUNIMB not applying to PS units in Pump or transition mode (TSC F.9.4.2), but the profiler and QBOA calculation follows the profiling rules and calculates the QBOA profiles to the pumping capacity of the unit (TSC Appendix O Table 9).</p> <p>The PSU profiled QD is reported in Rept_068. However, QD that is set to QM is being inputted into the undelivered quantity calculations for PSUs in pump mode also (rather than the profiled QD which should be used)</p>	QD that is set to QM is being inputted incorrectly into the undelivered quantity calculations for PSUs in pump mode leading to incorrect settlement outcomes	In Analysis	TBC Resolution:				Friday 19 February 2021	
210787	Incorrect calculation of QDIFFDA for Difference Payments	QDIFFDA is being calculated incorrectly for periods where a unit has no DA trades, but does have IDT trades. This only impacts difference payments.	Incorrect calculation of charges which use QDIFFDA as set out in section F.20 of the TSC.	In Analysis	Target to include in Rel G Resolution: Software update from vendor				Friday 26 February 2021	
211367	Incorrect calculation of difference charges for CAU and Autoproducer units	Due to an incorrect ordering of data during the calculation process, difference charge quantities are being incorrectly calculated for CAU and Autoproducer units.	Incorrect calculation of charges which use the ranked dataset calculated as part of F.18.5.3 of TSC for CAU and Autoproducer units.	In Analysis	Target to include in Rel G Resolution: Software update from vendor				Friday 26 February 2021	
209601	Instruction Profiler push performance issue	Instances of "MISTI_DLY_PUSH" either running slow or timing out	This issue has caused recent delays to indicative and initial settlements processing (Feb 5th and Mar 15th). This issue could potentially cause further publication delays into the future, which may also impact Settlement Document timelines.	In Analysis	TBC Resolution: Referred to vendor				Friday 26 March 2021	
215024	Incorrect Heat State for PDIs prior to SYNC effective time	Unit: GU_XY Date: 10/08/2019 Units FPN rises from 0 at 08:06 but unit is not SYNC'd on until 18:00. Unit had not been dispatch on in a number of weeks and therefore all PISP profiles on the day in question before the unit was SYNC'd should have closed using the COLD TOD values, however all PISPs before the SYNC (except the PISP which was closed by the SYNC) closed using the units HOT TOD set.	Incorrect Heat State affecting CFC payment and recoverables for the affected periods for this unit.	In Analysis	TBC Resolution:				Friday 26 March 2021	
217939	Incorrect BOA Volumes Calculated - Adhoc Re-settlement 08/11/2018	QAO volumes were incorrectly calculated due to an issue with instruction profiling calculating volumes up to a units MEC instead of the expected level. This resulted in QAO volumes being considerably larger than expected	No impact as manual adjusted to correct volumes from previous resettlement run. Potentially will form part of a wider change request related to similar UNDO action issues.	In Analysis	TBC Resolution:				Friday 16 April 2021	