<table>
<tr><td colspan="3" align="center">**SEMO, SEMOpx**
Known Issues Report
26 April 2019</td></tr>
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SEMOpx

ID	Name	Description	Impact to Market Participants	Status	Resolution Date	Proposed Release Date	Release Version
92601	ETS Auction Results Message	Message log is not retaining the message indicating availability of the ETS Auctions.	No material impact to SEMOpx Members. Members can view all auction results. Members will need to look at auction results reports/screens to determine availability of auction results, as opposed to reviewing the message log.	Unplanned	No Confirmed Delivery date		
SEMOpx.004	M7 'Own Orders'	The latest M7 version brought a display bug in the system. When traders enter orders using M7 client, orders from the logged in trader are shown in white instead of coloured. This will be resolved in ComTrader version 6.6.97 to be deployed for SEMOpx members. Our service provider has advised no downtime will be required for this deployment however, SEMOpx Members will be advised that the new ComTrader version is available for download via a dedicated link, via an operational message issued to registered Traders.	No material impact to SEMOpx Members; impacts user experience with platform as 'own trades' cannot be easily differentiated from competitors.	In Analysis	Resolution: EPEX are actively working on a solution		

Balancing Market

ID	Name	Description	Impact to Market Participants	Status	Resolution Date	Proposed Release Date	Release Version
5817	Initial conditions being incorrectly reset in some circumstances	Initial conditions being incorrectly reset in some circumstances	Incorrect QBOA values, resulting in impact to Imbalance Price	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5644	REPT_011 Duplicate Entries	Entries for each COD offer type (Simple/Complex) leading to the duplicate entries in Daily Technical Offer Data Report	Impacting units with both Simple and Complex COD submissions. Participants to continue to use report as normal	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5756	REPT_011	Various flags incorrect in REPT_011 (Daily Technical Offer Data Report) – PUMP_STORAGE FLAG, Fuel Type for Pumped Storage Units (linked to PUMP_STORAGE FLAG), Firm Access Quantity defaulting to zero for all units (should be Trading Site FAQ)	Participants to continue to use report as normal	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5641	Incorrect MW QTY values in REPT_078/079	MW QTY values in REPT_078, _079, _080 are not being calculated correctly.	Participants cannot rely on these data until the issue is resolved. Participants should use alternate means to formulate these totals. These data are available at the individual portfolio (unit) level in the ETS Market Results files published D+1.	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5870	REPT_081 hourly Anonymized INC and DEC Curves	REPT_081 can contain records for a full day rather then on a 30 minutes basis as per design	Report can publish inaccurate data	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5751	REPT_014: Daily Demand ControlData	REPT_014 is producing incorrect demand control values	The data in the report are incorrect and not available from other sources	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5740	Annual CLAF Report not produced and available via MPI	REPT_023: Annual CLAF Report is not produced and available via the MPI.	The Annual CLAF is published to the SEMO website in XLS format. The production of the XML version (specified as REPT_023) is subject to a software update from the vendor. Market Participants and General Public audiences can download the data from the SEMO website, albeit in a different format.	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
105605 / 5753	List of Registered Units' report	Report currently creates multiple records for each registered unit, each one with a different trading site. It will create these multiple records for each trading site which is assigned to the unit's participant. It is also creating multiple (duplicate) records with a N/A trading site	Report contains duplicate records	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5806	DESY Pumped Storage instructions are not processing correctly	DESY Pumped Storage instructions are not processing correctly	Incorrect QBOA values, resulting in impact to Imbalance Price. A workaround has been put in place for this issue.	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5497	VTOD Soak Times	When retrieving VTOD from the MPI via type 2 or type 3, the SOAK WARM QUANTITY values are incorrect. The values shown are the SOAK HOT QUANTITY values. Please note: the integrity of the VTOD set is unaffected. This is simply an incorrect display in the MPI.	This leads to confusion for MPs as they cannot view the accurate Soak WARM QUANTITY values. The SO and MO approve the correct values, and those are used in the Scheduling & Dispatch process.	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5957	LOCL/LCLO not working across settlement day boundaries	LOCL/LCLO is not applying correctly across the calendar day boundary.	LOCL instruction is not applied resulting in the QBOA to be dropped.	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
5929	LCLO Instruction causing QBOAs for whole 5 minute period to drop	Issuing an LCLO within minutes 1 – 5 of a 5 minute pricing period should still result in a QBOA value being created for that period up until the LCLO instruction is issued.	QBOAs are dropped for the relevant 5 minute pricing period.	Planned Resolution Date	In Day 1 plus scope, Release C Resolution: Software update from vendor	May 2019	
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	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
5845	REPT_022 Showing Empty	The Initial Interconnector Flows and Residual Capacity Report (REPT_022) is produced EMPTY on the MPI, and subsequently to the SEMO website. This is an error with the vendor design that causes the report to fail when no SO Trades are available in the system.	Report unavailable to Market Participants and General Public.	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
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.	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
5812	REPT_068 UOM error	The Dispatch Quantity report (REPT_068) erroneously calculates the "Dispatch Quantity" field as MW for P/S units when in pumping mode. These values should be calculated and reported as MWh.	MPs will observe incorrect values for pumping mode MWh values in this report until remedied. Settlement is unaffected as those calculations use metered generation.	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
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	In Day 1 plus scope, target to include in Rel E Resolution: Software update from vendor		
5195	Report display	HTML report is displayed in UTC rather than always in local time.	This issue affects 39 reports. This is a display issue only, as the values and corresponding time interval are correct.	In Analysis	In Day 1 plus scope, target to include in Rel E Resolution: Software update from vendor		
5329	Reports missing 1st ISP of Trade Day	Reports not showing first ISP interval for trade date in report. REPT_078: Aggregated Contract Quantities for Generation REPT_079: Aggregated Contract Quantities for Demand REPT_080: Aggregated Contract Quantities for Wind	The MPs will not be able to source data for the first ISP of a trade date from this report until the issue is remedied. These data can be sourced elsewhere. They are available in the ETS Market Results published on the SEMOpx website, D+1.	In the process of submission to the RA's for approval	In Day 1 plus scope, target to include in Rel E Resolution: Software update from vendor		
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.	In Analysis	In Day 1 plus scope, Release TBC Resolution: Software update from vendor		

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82044	The Interconnector NTC report	Report is designed to show NTC (Net Transfer Capacity) values however is currently showing the TTC (Total Transfer Capacity) values. This is due to a configuration change requested by National Grid prior to go-live	Report is designed to show NTC (Net Transfer Capacity) values however is currently showing the TTC (Total Transfer Capacity) values. This is due to a configuration change requested by National Grid prior to go-live	In Analysis	TBC Resolution: SEMO are carrying out an impact assessment as this impacts multiple IT systems and also has a knock on impact for other processes.		
5841	REPT_102: Hourly Dispatch Instructions Report	This report will now generate even if there is a null Dispatch Instruction. However this conflicts with the XSD schema for the report	Market Participants Market tools may fail to pull this report where a dispatch instruction contains a null dispatch instruction. Report is now available in all cases were before the report was available intermittently.	In Analysis	TBC Resolution: ITS update to be provided by SEMO		
5317	REPT_088 Net Imbalance Forecast	The report is published every hour instead of every half hour , as specified by the ITS, Volume C.	Information is available less frequently. Market Participants continue to use the information as available.	In Analysis	TBC Resolution: Software update from vendor		
5794	REPT_103	The Hourly SO Interconnector Trades reports are failing to publish to the MPI and subsequently to the SEMO website	Participant unable to acquire these data until this issue is addressed	In Analysis	TBC Resolution: Software update from vendor		
SEMO_WEB.001	SEMO and SEMOpx ongoing issues	The SEMO and SEMOpx website currently has issues with the dynamic reporting, report retention and ongoing manual workaround to publish reports	This impact report availability to participants as well as use of dynamic reporting to provide an accurate representation of the static reports. All reports are available in the static section and manual workaround are carried out on a daily basis to ensure reports are not missed	In Analysis	TBC Resolution: Software update from vendor		
SEMO_WEB_002	SEMO and SEMOpx website File retention	The SEMO and SEMOpx websites currently does not show historical reports.	MPS are unable to download historical reports from the SEMO and SEMOpx website. A CR has been raised with the website vendor to make these files available	In Analysis	TBC Resolution: Software update from vendor		
109895	Daily Meter Data Report (Website)	Duplicate entries are appearing in the Dynamic report for Daily meter data.	Data is currently duplicated on the following dates in the dynamic meter data report on the website. 17th + 27th Nov 7th Dec has 3 line entry per timestamp 13th Dec 11th + 19th Jan.	In Analysis	TBC Resolution: Software update from vendor		
110321	Incremental & Decremental Price quantity pairs	When a participant submits 9 Price Quantity Pairs for Incremental and Decremental costs curves the sequences do not see the prices as monotonically increasing and then defaults them to zero. This is a defect and has knock on impacts on the scheduling of LTS, RTC and RTD	As a workaround participants are requested to not submit 9 PQ pairs when submitting Commercial Offer Data.	In Analysis	TBC Resolution: Software update from vendor		
112877	Type 3 PNs Validation Error	TSO rejection of Under Test PNs that have been submitted in the same Type 3 transaction (multiple units in the same xml) as other PNs (i.e. not Under Test) will result in the rejection of all PNs at gate closure. Rather than reverting to the previous approved submission as per the design, the system will apply a 'null value'.	This will result in PNs reverting to a 'null' value for the entire period covered by the rejected PN submission. Note – SEMO would ask Market Participants to submit Type 3 Under Test PNs in separate submissions.	In Analysis	TBC Resolution: Software update from vendor		
5587	Missing Reports on the new SEMO Website	2 Reports are currently not publishing to the new SEMO website. REPT_027 (Four Day Rolling Wind Forecast) and REPT_013 (Daily Commercial Offer Data)	No material impact to Market Participants or General Public as these reports are now being uploaded manually to the SEMO website.	In the process of submission to the RA's for approval	TBC Resolution: Software update from vendor		
5603	REPT_081 hourly Anonymized INC and DEC Curves	Currently the report cumulatively adds each MW quantity to the last MW quantity rather then the difference. This results in erroneous MW values in the report.	The PQ pairs reported in REPT_081 erroneously report values that exceed the generation capacity in Ireland. The report is inaccurate and the commercial bidding behaviour of the aggregated generation on the Island is not accurately represented.	In the process of submission to the RA's for approval	TBC Resolution: Software update from vendor		
102081	REPT_006: Daily DI Report	For P/S Units, intermittent representation of duplicate values (MWOF) instructions appearing. This is due to internal processing of records and does not affect the Instruction Profiling process, only the outbound report.	For P/S units, the Market Participant will need to ignore the duplicate entry until resolved.	Unplanned	No Confirmed Delivery date		

SEMO Settlement

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5888	Metered Quantity for DSUs	DSUs should not have an undelivered quantity. Metered quantity must be made equal to the dispatched quantity	Affecting settlement calculations for DSUs, resulting in non-zero undelivered quantities, which should be zero.	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5886	Settlement reports are only being kept for 2 months	All Settlement reports produced in MMS currently only have a retention of 2 months in the MPI. They are then archived and not available through the front end	Settlement reports/documents/Statements unavailable to participants after 2 months through the MPI. Temporary workaround applied on the 21/01/2019 ensures that no further report will be removed from the MPI. Vendor is working on solution to republish all Settlement reports/documents/Statement to MPI	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5940	MPOP FPN Misalignment with MMS	Period of Market Operation Trading Period Starting points in CSB not aligned with the MM, including incorrect application of minute resolution. Should be 30 min resolution.	Not applying the correct starting points for FPNs in relation to the calculation of fixed costs for the Period of Market Operation	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5909	BOA and Start up / no load cost not being calculated when first BOA = 0	System changes between Simple and Complex COD use when the Order of the first BOA does not equal 1.	This affects CFC calculation	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5943	Simple/Complex COD	Simple/Complex COD: Flags and Tags are not being applied in the half hours they should. Prices are being applied only to the period where the DI is effective then persisting for all associate BOAs.	Prices are being applied only to the period where the DI is effective then persisting for all associate BOAs.	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5950	Difference & NP Charges for DSUs	DSUs Day Ahead, Within Day Difference Quantities & Charges are being incorrectly applied to DSUs as per F.18.4 & F18.5 of the TSC. Calculation of QDIFFTRACK for DSUs being incorrectly applied to DSUs Day Ahead, Within Day Difference Quantities & Charges and Non-Performance Charges	DSUs specific – The calculation of QDIFFTRACK should be zero as per F.18.5 exclusion clause within the TSC including F2.1.2. Ex-Ante quantities are tracked via the FNDDS calculation.	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5972	Incorrect CNLR to Generators	There are two problems: a) The Fixed Cost calculation of CNLR will for (most) periods of MPOP include the interval prior to MPOP start in the summation. b) The Fixed Cost calculation of CNLR will for (most) periods of MPOP not do correct check on Dispatch Quantity for the last interval.	Incorrect CNLR to Generators	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5936	Multiple instances of QAO and QAB being inconsistent	Multiple instances of QAO and QAB being inconsistent i.e. large positive QAO and a large negative QAB when FPN and QD are similar.	Multiple instances of QAO and QAB being inconsistent	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5979	Error in Import of Dispatch Instruction Profiles to Settlement	Dispatch Instruction Profile is not being imported correctly into CSB where there are updated values from MA	Contiguous Periods of Operation are not being applied correctly where the Dispatch Instruction Profile has not imported correctly. Resulting in incorrect CFC calculation for affected Settlement Day/units.	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5799	Incorrect CFC and Premium Payments	Caused by incorrect QBOA calculation in particular circumstances	CFC and Premium data incorrect. Improvement in QBOA Calculation	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5990	Difference Payment Calculation does not set final QDIFFTRACK to 0 if there are no Day Ahead or Intra Day trades	System not considering the scenario where there are no Day Ahead trade and thereby no QDIFFDA. QDIFFDA should default to 0 in calculation of QDIFFTRACK.	QDIFFPIMB not being calculated where there are no Day Ahead Trades. Missing trading Period calculation & data on reports where there are no Day Ahead trades.	In Analysis	In Day 1 plus scope, target to include in Rel C. Resolution: Software update from vendor		
5893	Incorrect IPQBOA values	BOAs were intermittently calculated incorrectly when QD was equal to the FPN with a BOA generated. Also where QD is similar to FPN yet large variances in QAO and QAB.	IPQBOA values were not correct. Temporary workaround is in place. Permanent solution to be provided by ABB	In Analysis	In Day 1 plus scope, target to include in Rel D. Resolution: Software update from vendor		

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5944	FPN Curve not applying Heat State to CFC inputs correctly	CSB not receiving correct FPN curve from Balancing Market resulting in incorrect Start-Up status.	Incorrect or No Heat State being applied within CSB, therefore Start-Up costs not being included within the CFC calculation	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
5910	Start-up flag for CSUR with Warmth State	MA is currently providing Start-up Flag and Warmth State for Synchronize Dispatch Instructions that relates to CSU calculation	This affects CFC calculation	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
5923	Metered Volumes by Jurisdiction (REPT_066) - Zero Metered Demand	Aggregated Metered Demand not being published on REPT_066. Currently only reporting Aggregated Metered Generation	Unable to view the Aggregated Metered Demand within the Report	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
6004	Error in calculation of CDIFFCNPA and CDIFFCNPB	The system shall calculate the CDIFFCNPB and CDIFFCNPA as zero in the 1st and last ISP of the capacity year for each CMU.	Calculation is currently setting the last and first ISP to $CDIFFCNPA / B\_(\Omega(y-1))$ for the Capacity Tear for each CMU	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
5922	Stop Loss Limits (CSLLA/CSLLB) is not being calculated for IU and CAU	The Stop Loss Limits (CSLLA/CSLLB) calculation is looping over units with Reliability Options that are associated with a Trading Site. The settlement calculation should also include units with Reliability Options that are not associated with a Trading Site like CAU and IU units.	Stop Loss limits are not being calculated for IU and CAUs for the application of the a calculated % applied to the Non-performance	In Analysis	In Day 1 plus scope, target to include in Rel D Resolution: Software update from vendor		
5339	REPT_043	Incorrect rounding applied to detail records. Summary and Detail records do not sum correctly.	Inconsistency between detailed and summary records within the same REPT_043. Research indicates this to be small amount relative to document totals.	In Analysis	TBC Resolution: Software update from vendor		
5322	REPT_048 Collateral Report	PUBLICATION_TIMESTAMP attribute is incorrectly assigned the start time of the credit assessment, rather than the finish time.	The difference in time is very brief and has no material effect on the report quality.	In Analysis	TBC Resolution: Software update from vendor		
5772	Capacity Charges/Payments	CCC, CCP and CSOCDIFFP settlement for NI units not applying the Annual Capacity Exchange rate as per G.1.3.5 & G.1.3.6. Balancing market FX rate incorrect being applied.	CCC, CCP and CSOCDIFFP settlement for NI units not correct.	In Analysis	TBC Resolution: Software update from vendor		
5997	ISEM CSB FX rate after short day incorrect	After the clock change the push & or CSB is not applying the FX rate to the trading period 23:30 and & 00:00 correctly when they change.	Inaccurate settlement due to FX rate for 1hour period	In Analysis	TBC Resolution: Software update from vendor		
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	In Analysis	TBC Resolution: Software update from vendor		
6001	ISEM Slope Error	31st Indicative related to long day affecting 11 units - still being investigated by ABB	Multiple units had no BOAs created for the 31st March Indicative Settlement IP run.	In Analysis	TBC Resolution: Software update from vendor		
105608	Dropdown filters not available on the SEMO website Settlement Calendar	SEMO Website Settlement Calendar > Publication > "Settlement Documents" is not present for users to filter.	11/03/2019 operational day is not available and possibly additional trade dates. We will confirm these dates once available	In Analysis	TBC Resolution: Software update from vendor		
113784	ISEM_OUI_ExPost_Instruction_Profiler_M+4_Generator Operational Characteristics _changes required for 01/10/2018 and going forward	The Controllable flag status in registration details contained within Generator Operational Characteristics that also has Technical Offer Data don't match what's in the Resource Balancing screen. This is an issue while trying to rerun IP for M+4. The registration details within Initial Ex-Post \ Initial Instruction Profile \ Instruction Profile Input \ Generator Operational Characteristics screen are incorrect compared to what's in Market Information \ Registration\ Interface Views\ Resource Balancing this is affecting controllable flag status	M+ 4 Resettlement will move back into a regression test phase for a short period and re-planned for production. An update will be provided by the settlement team with the appropriate changes made to the settlement calendar.	In Analysis	TBC Resolution: Software update from vendor		
113353	QBOA defect for Error in Slope messages resulting in no QBOAs	There are no IP QBOAs created for GU_X at the end of the day error message appears: Error in Slope calculation for unit GU_X	No BOA volumes are generated for the units in question for certain trading periods. This results in missing BALIMB payments and charges in the billing runs. To date this has only affect thermal generator units and DSUs.	In Analysis	TBC Resolution: Software update from vendor		
5953	Report 044 missing Accept time for QAO and QAB determinants	Settlement Report not showing Accept Times for QAO & QAB	Market Participants unable to view the accept time of QBOAs used within Settlement	In Analysis	TBC Resolution: Software update from vendor		
5890	QD and QM not matching on long day (28/10/18)	Long Day Trading periods not aligned between MAMI and CSB.	Trading Periods misalignment has resulted in the Long day trading periods being incorrectly settled within Initial Settlement.	In Analysis	TBC Resolution: Software update from vendor		
5314	REPT_043, _044	The timestamp attribute in the Value element contains +1 second, which it should not.	Market participants and any third-party system providers should ignore the additional 1-second on the timestamp and consider the time to be exactly on the ISP interval.	Unplanned	No Confirmed Delivery date		