Minutes Market Coupling Steering Committee Meeting
22. March 2023, Physical meeting

Present SDAC and/or SIDC parties

50Hertz	Creos	EPEX Spot	IBEX	OPCOM	Statnett
Admie	CROPEX	ESO	Kraftnät Åland	OTE	Svk
Amprion	EirGrid (TSO)	EXAA	Litgrid	PSE	Terna
APG	EirGrid / SONI (SEMO PX)	Fingrid	MAVIR	REE	TGE
AST	Elering	GME	Nasdaq	REN	Transelectrica
Baltic Cable	ELES	HEnEx	Nord Pool EMCO	RTE	Transnet BW
BSP	Elia	HOPS	OKTE	SEPS	TTG
ČEPS	Energinet	HUPX	OMIE	SONI (TSO)	TTN

3rd parties

Satocom	Artelys	BEA	E-Bridge	JAO	Indra

Observers

ACER	EC	EMS	Entso-E	MEMO	MEPSO
OST	SEEPEX	Swissgrid	ETPA		

Present	By phone	Not attending

0. Meeting agenda

#		Topic	For	Presenter	File*
1		**Welcome, practicalities**		**09:00-09:10**	
	1.1	Confirm quorum	Inf	Secretary	☐
	1.2	Introductory statement by co-chairs	Inf	Co-chairs	X
	1.3	Adoption of the agenda	Dec	Co-chairs	☐
	1.4	Matching of pre-aligned NEMO Vote and TSO Vote	Inf	Secretary	To be added
2		**JOINT – General points**		**09:10-09:15**	
	2.1	Approval of minutes (internal & external)	Dec	Secretary	☐
	2.2	Review of action points	Inf	Secretary	☐
3		**JOINT – Important points to highlight & decisions requested**		**09:15-10:45**	
	3.1	Legal TF (15 min) - *Ukrainian Market Operator (JSC MO) Observer status: Guidance on the use of ProjectPlace by JSC MO* - *Update on SIDC CSE SLA*	Inf Dec	LTF Co-conveners	☐
	3.2	SDAC/SIDC QARM (30 min) - *Prioritized list of requirements*	Dec	SDAC and SIDC QARM Co-conveners	☐
	3.3	BMTF (20 min) - *Update on merger* - *New joint cost reporting* - *Regional costs regarding CACM cost report 2022* - *CSK 2023 use of traded volume*	Inf Dec	BMTF Co-conveners	☐
	3.4	Gov TF (15 min) - *Satisfaction survey/strategy workshop in June* - *Update on Algorithm Methodology/co-optimisation*	Dec Inf	Gov TF Co-conveners	☐
	3.5	Com TF (10 min) - *Candidate date for MCCG for Q2 2023* - *Joint Celebration* - *Approval of the PCG slides*	Inf	Comm TF Lead	☐
4		**JOINT – Any other business**		**10:45-11:00**	
	4.1	Potential TSO topic	Inf	TSO Co-chair	X

	4.2	MCSC meeting on 26/04	Inf	Chairs	X
	4.3	Debrief of the MESC meeting held on 09/03/2023	Inf	MCCG Co-conveners	X
	4.4	SIDC CSA SLA	Inf	TSO Chair	☐
5		**SIDC – Important points to highlight & decisions requested**			**10:45-11:55**
	5.1	Integrated Plan (5 min)	Inf	SIDC QARM Co-convenor	☐
	5.2	OPSCOM (10 min)	Dec	SIDC OPSCOM Co-chairs	
	5.3	SIDC QARM (20 min) - *Status Report including IDA Topics* - *Approval of updated ToR and consistency between QARM, MSD and OPSCOM ToRs*	Dec	SIDC QARM Co-conveners	☐
	5.4	SIDC MSD Status Report including IDA Topics (30 min) - *SIDC MSD: FB (outcome of the physical WS and follow-up); doc for NRAs describing the enduring shipping solution compatible with Flow-Based, exercise for CRs prioritization and summary to QARM,* - *SIDC IDA SG: performance test phase 3 preparation; topology confirmation; partial decoupling option2 (most automated solution); draft of the SCF compatible with new PMB template; change of the algo methodology for SEC calculation in IDA;* - *Approval of updated ToR and consistency between QARM, MSD and OPSCOM ToRs*	Inf Dec	SIDC MSD Co-convenor	☐
	5.5	MCSC members questions to reports (5 min) *NEMOs and TSOs Report, OTF Report*	Inf		☐
6		**SIDC – Any other business**			**11:55-12:00**
	6.1	Baltic Cable Involvement in SIDC Project		Baltic Cable representative	☐
	6.2	Algorithm Methodology		SIDC MSD Co-convenor	☐
LUNCH BREAK					**12:00-13:00**
7		**SDAC – Important points to highlight & decisions requested**			**13:00-14:50**
	7.1	SDAC OPSCOM (15 min) - *Notable changes and events, testing and training, status on finding more time for algo calculation* - *Status report/operational timing optimization* - *MP training May 2023: Update/survey*	Inf	SDAC OPSCOM Co-chairs	☐
	7.2	SDAC MSD (45 min) - *Status update (incl. 15 min project, study outcome from Euphemia Lab)* - *Approval of updated ToR and consistency between QARM, MSD and OPSCOM ToRs*	Inf Dec	SDAC MSD Co-convenors	☐
	7.3	SDAC QARM (15 min) - *Status update* - *MRLVC: Update on answers* - *Approval of updated ToR and consistency between QARM, MSD and OPSCOM ToRs*	Inf Inf Dec	SDAC QARM Co-convenors	☐
	7.4	SDAC SF TF (30 min) - *Simulation facility: Tendering/RfO on future SF HL "agreement"*	Dec	SDAC SF TF Co-convenors	☐
	7.5	MCSC members questions to TF reports (5 min)			See back-up
8		**SDAC – Any other business**			**14:50-14:55**
	8.1	Nordic FB IMP implementation project - Authorization for data sharing	Inf	SDAC MSD Co-convenor	☐
9		**Closure meeting – without 3rd parties**			**14:55-15:20**
	9.1	AOB - *PMO handover and additional PMO support*	Dis	Chairs	☐

List of decisions

#	Topic	Decision
1.2	Adoption of the agenda	The meeting agenda is approved.
2.1	Approval of minutes (internal & external)	The minutes from the MCSC meetings held on 22.2.2023 are approved The minutes for publication from 22.2.2023 are approved and can be published
3.1	Legal TF	The MCSC decides to (i) grant a MCSC observership status to JSC MO (covering both SIDC and SDAC), and (ii) that JSC MO (and any future or existing Energy Community Observer) will only be granted access to a dedicated Projectplace section/PP files containing information and documentation which are not sensitive from a security perspective, as determined by the MCSC or any other body (or PMO) appointed by it. Considering the particular current situation of Ukraine, this observership status is granted to the extent and as long as it is not in violation of any sanction or embargo on Ukraine applicable to the SIDC/SDAC parties (a similar approach will be used for any future Energy Community member who would request an Observer status).
3.2	SDAC/SIDC QARM	MCSC approves the prioritized List of Requirements for SDAC and SIDC, and its submission to PCG.
3.3	BMTF	NEMOs and TSO agreed to continue with consumption data for intraday cost sharing for 2023. The traded volumes shall be applied only starting from 2024, when all Parties will be operational for at least one year
3.4	Gov TF	The MC SC approves the proposed strategic workshop format.
3.5	Com TF	MCSC validates the presentation for PCG meeting (28 March).
		MCSC approves the proposed date, 19 June 2023, for the next MCCG meeting.
5.2	SIDC OPSCOM Status Report	MCSC to approve purchase of Everbridge as provider of Audio-Video Auto-Conferencing System. To be included in Operational budget • Implementation: 420,00€ • Yearly fees: 8.880,00 €
5.3	SIDC QARM Status Report	MCSC gives mandate to SIDC QARM to finalize negotiation with DBAG in respect of a ComTrated using the new technologies, provided that following commercial conditions are met: • Split 50:50 of the implementation cost. The total implementation cost is: is 93 974 EUR (46,987 EUR to be paid by DBAG and 46,987 EUR to be paid by NEMOs/TSOs DBAG provides one month of R4.1 UAT testing for free.
		MCSC gives mandate to SIDC QARM to finalize negotiation with DBAG in respect of FB-MVP1 with the following commercial conditions – implementation timeline 6 months, price 542 160 EUR and, in addition, a measurement of FB MVP1 against RTS4 Slice B (20M OT/day) for 18 072 EUR (with additional 2 weeks of implementation).
		MCSC approves the RIP reporting for February and the distribution with JET-A of the February IDA RIP Readiness Monitoring and the associated summary report)
		MCSC approves updated QARM ToRs (https://service.projectplace.com/pp/pp.cgi/r989302027)
5.3	SIDC MSD Status Report	MCSC approve Border to Border shipping approach (current one) will be used after FB implementation.
		MCSC approve the sharing with NRAs of the document describing the shipping enduring solution for Flow-Based.
		MCSC pre-approve costs coming with N-Side support for IDA (including overnight support). Once all the conditions are negotiated additional approval by QARM will be required.
		MCSC approve the updated SIDC MSD ToR.

6.1	Baltic Cable Involvement in SIDC Project	MCSC acknowledges that Baltic cable will not be included in the IDA first Go-Live topology.
7.2	SDAC MSD: Approval of updated ToR and consistency between QARM, MSD and OPSCOM ToRs	The MCSC approves the SDAC MSD ToR.
7.3	SDAC QARM: Approval of updated ToR and consistency between QARM, MSD and OPSCOM ToRs	MCSC approves the current SDAC QARM Terms of Reference, acknowledging that following discussions with SDAC OPSCOM and PCR working groups, SDAC QARM Terms of Reference may be fine-tuned.
7.4	SDAC SF TF: Simulation facility: Tendering/RfO on future SF HL "agreement"	MC SC approves the possibility to draw from the 50.000 € in the 2023 budget foreseen for further development of the current Simulation Facility to support the tender process and its preparation for a future Simulation Facility in case the decision to pursue this path is confirmed.

1. Welcome, practicalities

The chairs open the meeting by welcoming TSOs and NEMOs. The meeting agenda is approved, and the list of pre-aligned NEMO and TSO votes is established.

2. JOINT – General points
2.1) Approval of minutes (internal & external)

The minutes from the MCSC meetings held on 22.2.2023 are approved. The minutes for publication from 22.2.2023 are approved and can be published.

2.2) Review of action points

Action points were reviewed, open action points were covered in session file during the meeting.

3. JOINT – Important points to highlight & decisions requested
3.1) Legal TF

The LTF conveners presented the recent work on legal topics. The LTF provided suggestion for the access to documentation for the Energy Community and 3rd countries. LTF is finalizing also the update of the IDOA concerning the IDAs.

3.2) SDAC/SIDC QARM

List of requirements identified by SDAC and SIDC QARM is provided to MCSC in order to set a proper prioritisation of the work. This list has been requested in PCG by ACER. All developments are not feasible in parallel, so the NEMOs and TSOs need to jointly agree on the most important changes to be implemented and set a proper order of developments.

3.3) BMTF

The previously existing groups SDAC BMTF and SIDC BM SG have been merged into one single group labelled as "BMTF". As of March 2023, this group will jointly discuss SDAC as well as SIDC cost and budget related topics. The BMTF is initiating the preparation of the 2023 CACM sharing keys, for which approval will be requested in the Quarterly Report & Account of Q1 2023.

3.4) Governance TF

During the November's MCSC Strategic Workshop it was decided to organize an annual strategy Workshop, and to run an annual survey that can be used to provide valuable information for the strategy workshop. Governance TF provided a draft of the agenda and survey.

3.5) COM TF

The Com TF is working on a proposal for discussion to MCSC of a joint celebration of SDAC and SIDC for the upcoming anniversaries.

4. JOINT – Any other business

4.1) MCSC meeting on 26/04

The MCSC agreed to cancel the MCSC meeting on 26 April 2023.

4.2) Debrief of the MESC meeting held on 09/03/2023
MCCG Co-chair reported on the last MESC meeting.

MOs and TSOs conveyed the 2 messages prepared with market participants:
- Clarification on the 2023-2025 expectations with regards to the co-optimization implementation in SDAC
- The necessity to have the prioritization exercise done jointly with all stakeholders

A question was raised whether NEMOs and TSOs have any major point of misalignment with MPs. It was reminded that 15' MTU implementation in SDAC needs to be further discussed between NEMOs/TSOs, MPs, and ACER.

4.3) SIDC CSA SLA

TSO LTF is working with JAO on a draft SIDC CSE SLA to be entered into by TSOs, NEMOs and JAO to implement the so-called "hybrid solution" (the draft is based on the existing SDAC CSE SLA with the necessary adaptations). It will be shared with the joint LTF for review as soon as possible.

5. SIDC – Important points to highlight & decisions requested
5.1) Integrated Plan

The QARM convener presented the development on the project concerning IDAs, R4.0 testing and preparation of the CACM report

5.2) OPSCOM

The OPSCOM convener reported the major work focus of the group in the last month:

- Daylight Saving Time (DST) another run of testing has been scheduled to take place next week prior to go-live on the 26/03. The testing will be performed by SYSQA, TSOs and NEMOs to ensure a smooth transition to DST.
- OPSCOM is also planning a timeline for 15 min product implementation in every SIDC area and border.

5.3) SIDC QARM
The QARM convener informed the MCSC on the progress on the following items:

- **Secondary DBAG Data Center Migration:** Migration on SIMU done. Part of Migration on Cute and LIP completed – finalized end of March. Production migration planned in May
- **CIP Functional tests:** Still on track, even if start of testing was impacted by quality of XBID 4.0 and connectivity issues at Unicorn side. Hotfix deployed at DBAG and Unicorn on 9/3 to unblock the testing.
- **IDA Testing:** During WS on IDAs a detailed timeline was updated addressing known risks. The work plan for IDA FIT/SIT and connectivity tests is approved. Note that the progress is slower than expected due to focus on CIP Functional Tests. Mitigation will be put in place.
- **XBID R4.0:** Preparation of planning for XBID R4.0 is completed, the testing starts on 20/03
- **RIPs:** The reporting is fully harmonized. The RIPs risk and issue are in backup slides. Full report on PP https://service.projectplace.com/pp/pp.cgi/r1274012023
- **CACM 2022 Annual Report:** QARM coordinates activities for the preparation of SIDC part of the report. Majority of the inputs are provided with exception of depending on the CR prioritizations (e.g. R&D)
- **FB – MVP (Flow Based – Minimum Viable Product):** a commercial discussion with DBAG was initiated to clarify scope (/number) of MVP(s) including timing, cost and performance aspects as this was withing the agreed scope of ASR for FB.

5.4) SIDC MSD Status Report including IDA Topics

The MSD convener informed the MCSC on the progress on the following items:

- **Flow-Based design:** During the FB workshop with DBAG, the proposal for the design of the main critical business processes was discussed. The routing will reflect in a way the current behaviour, even inside a FB domain, associating to any trade a virtual path that would describe the route of the energy from the source to the sink. The existing functionality for shipping, which works based on the B2B (Border-To-Border) is to be reused. In the MVP DBAG provided, the following functionalities will be tackled:

- o Routing algorithm
- o Topology
- o Local view orderbook
- o H2H calculation
- o Net Position Constraint & Net Position Constraint Ramping

- **XBID CRs prioritization:** MSD performed the exercise to prioritize the future CRs for XBID, based on the updated assessment provided by project parties (last assessment available from 2022). The summary with the high priority CRs has been presented to SIDC QARM for further discussion and approval.
- **Euphemia performance test for IDA:** All the data necessary to start the activity related to Euphemia Performance Test Phase 3 were provided to PCR working groups. Scope of simulations was also clarified and timeline for simulations execution is under assessment.
- **IDA CIP:** The IDA CIP documentations were further reviewed and adjusted according to some findings detected during the ongoing IDA testing campaign. Some additional design changes – mapping – might occur in IDA CIP to make compatible the way the quantity representing the allocated capacity is defined in PMB results and in XBID allocation request (MW vs KW).
- **IDA partial decoupling:** For partial decoupling Option 2, parties in IDA SG decided to go with the highest level of process automation. The draft for the corresponding RfC for central systems (XBID, PMB and IDA CIP) is partially prepared and under review by IDA SG.
- **Algorithm Methodology – changes for IDA:** A dedicated group of people, representing several SIDC/SDAC working groups, has been created to work on the update of the Algorithm Methodology. The foreseen changes coming from SIDC are, for now, those related to SEC for IDA.

6. SIDC – Any other business

6.1) Baltic Cable Involvement in SIDC Project

The MCSC discussed the involvement of the Baltic Cable within the SIDC project and their readiness for starting testing. The MCSC acknowledged that Baltic cable will l not be included in the IDA first Go-Live topology.

6.2) Algorithm methodology update – removal of partial coupling support obligation for IDA

The MCSC discussed the possible modification of the Algorithm methodology within the ongoing review related to co-optimization process.

7. SDAC – Important points to highlight & decisions requested

7.1) SDAC OPSCOM

The OPSCOM convener informed the MCSC on the progress on the following items:

- Since last MCSC meeting, no new RfC went live.
- Incidents rate is in average range and none of them was critical.
- In the near future, we will have the following go-live: PMB12.0 – Euphemia 11.1 (already approved last time) and scheduled for 23/03.
- A training session with market participants (requested by them) is in the process of being organized for 11/05: full decoupling at production timings. All parties (NEMOs+TSOs+RCCs) are requested to participate and to complete the nomination processes, after the full decoupling.

A first overview of the impacts of giving more time to the algorithm will be presented.

7.2) SDAC MSD

The MSD convener informed the MCSC on the progress on the following items:

- **15min MTU** performance has been again improved. The latest results are again promising but results vary between the different data batches. Current progress shows that 100% of the simulation data can be calculated within 30 minutes for some batches.
- **Product Portfolio** study has been started with N-Side. Schedule is tight and therefore we aim to optimize the selected simulations. PCR has volunteered to simulate a case where 100% of the orders will remain at 60min after the 15min MTU go live. Adaptation to Xpress solver is providing better than expected performance improvement for the average TTFS.
- **Future 2030 Studies** provides an update to the Offshore windfarm study with first results. Results shows the importance of properly dimensioning the interconnector capacity according to (a) the wind farm capacity and (b) the expected capacity factors.

ToR Approval: MSD has released the SDAC MSD ToR document for formal approval. SDAC MSD approves the Roadmap presented by SDAC QARM.

7.3) SDAC QARM

The QARM convener informed the MCSC on the progress on the following items:

Terms of References
- SDAC QARM ToRs have been reviewed by SDAC MSD.
- Review by SDAC OPSCOM and PCR / ANDOA working group is still ongoing. SDAC QARM is expecting feedbacks to readapt our ToRs.
- From SDAC QARM perspective, Terms of Reference are ready to be validated as such.
- After this review is finalized, SDAC QARM will be able to adapt the Change Control Procedure SDAC_OTH_05. The SDAC QARM ToRs are available on ProjectPlace.

MRLVC
- NEMOs answers are expected by 15/03/2023 (to be confirmed by ANDOA MSD).
- First TSO meeting has been organized on 06/03/2023 with additional non-binding NEMOs questions and proposal regarding the format of NEMOs answers. TSO's answers initiation is depending on NEMOs answers.
- SDAC QARM is still expecting to deliver the complete version of MRLVC answers to MCSC in June 2023 but the detailed timeline for doing so is still being defined.

15min MTU implementation plan
- SDAC QARM 15min RIP SPOC have been working on completing and updating the 15min MTU implementation plan and resolution which will be implemented during the 15min MTU big bang.

7.4) SDAC SF TF

The SF TF convener informed the MCSC on the progress on the possible tender for Simulation Facility provider. The details are considered as confidential.

8. SDAC – Any other business - Nordic FB IMP implementation project - Authorization for data sharing

8.1)
The Nordic TSO's provided a request for additional data sharing:
- Buy and sell volume for Nordic CCR and their neighbouring areas.
- Net position for areas in Nordic CCR.
- Price for Nordic CCR and their neighbouring areas.
- Scheduled Exchange for borders inside and out of the Nordic area (DK, SE, NO, FI)

9. Closure meeting
9.1) AOB

Parties thanked each other for cooperation and closed the meeting.