Market Coupling Consultative Group

Webinar

04th of March 2026

MCSC

Welcome!

MCCG is led by three Co-conveners:

Market Participants Co-convener:

Max SCHNEIDER, EURELECTRIC

TSO Co-convener:

Andreas PAPANAKLIS, IPTO / ADMIE

NEMO Co-convener:

Karol NICIA, NORD POOL

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Agenda
Part 1

	TOPIC	PRESENTER	TIME
1	**Welcome & Introduction**	Andreas Papanaklis, Karol Nicia, Max Schneider (MCCG)	09:00 – 09:10 (10 min)
	- Welcome, Agenda and Action Points Review		
2	**SDAC and SIDC Corrective Measures**	Vladimír Satek, Martim Stilwell (SIDC QARM)	09:10 – 09:30 (20 min)
		Timo Suhonen, Marja Eronen (SDAC MSD)	
		Max Schneider (MCCG)	
3	**Implementation of 30-Minute IDCZGCT and Go-Live in 2026**	Gergő Holló (30 Minute IDCZGCT SPoC)	09:30 – 09:45 (15 min)
	- Experiences of Go-Live on 14/01		
	- Relevant Updates for Borders With Derogations		
4	**SDAC Fallback Improvements**	Karol Nicia (MCCG),	09:45 – 10:35 (50 min)
	- Update on NEMOs and TSOs Measures	Tore Granli (GOV TF TSO), Iwona Grude (SDAC OPSCOM), Gergő Holló, Lara Visone (Fallback Expert Group)	
	- Main Takeaways From the 21/01 PCG WS		
	- Update on EI Regulation – CORE MNA status – WS5	Jean-Michel Reghem (Core JSC representative)	
	- Information on the 19/11 Training Session and Upcoming Training Sessions	Milos Tomic (SDAC OPSCOM)	
	Break		**10:35 – 10:45**

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Agenda
Part 2

	TOPIC	PRESENTER	TIME
	Break		10:35 – 10:45
5	**SDAC R&D for Euphemia**	Timo Suhonen, Marja Eronen (SDAC MSD)	10:45 – 11:05 (20 min)
	- Storage Orders		
	- Adequacy Patch Revision		
6	**15-Minute Volumes in SDAC**	Timo Suhonen, Marja Eronen (SDAC MSD)	11:05 – 11:30 (25 min)
7	**Regulatory Deliverables and Consultations**	Chiara Vitelli, Christoforos Zoumas (NEMO Tech TF)	11:30 – 11:50 (20 min)
	- SDAC/SIDC HMMCP Methodology		
8	**SDAC-SIDC Roadmap and Key Projects**	André Estermann, Cosimo Campidoglio, Ondřej Máca (MCSC Co-Chairs)	11:50 – 12:20 (30 min)
	- SDAC Co-Optimisation – Results of the Public Consultation & Updated Planning of R1 and R2		
	- Core AHC		
	- MNAs Going Live in 2026		
	- Flow-Based in Intra-Day	David Myska, Lara Visone (SIDC MSD)	
9	**AOB and Closure**	Max Schneider, Karol Nicia, Andreas Papanaklis (MCCG)	12:20 – 12:30 (10 min)

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Scope of MCCG Discussion

▸ This overview aims to clarify which topics and discussions fall within the scope of MCSC/MCCG versus CCRs. Only the main/overlying topics currently discussed in the respective projects are listed.

▸ As the main guiding principle, only topics directly stemming from the CACM guidelines and considered as MCO matters are discussed in MCCG.

▸ NEMOs and TSOs would like to make clear that some requests cannot be channelled through MCCG. It is up to the market participants to raise it in the proper forum.

	MCSC / MCCG	CCRs (Capacity Calculation Regions)
General Scope	- Capacity allocation	- Capacity Calculation (CC) (Core Flow Based, Nordic Flow Based)
Intraday Auctions (IDAs)	- Timings - Products & central algorithm functionalities - Central testing	- Capacity calculation (e.g.: IDCC in Core CCR)
Advanced Hybrid Coupling	- Testing allocation algorithm - Central testing	- Design & Implementation into DACC - Impact assessment
SDAC & SIDC 15 Min MTU	- Timings - Products & central algorithm functionalities - Central testing	- Regional testing

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Q&A and Review of Action Points

Q&A from the previous MCCG meetings are available on [NEMO Committee] & [ENTSO-E] websites

Overview of action points from the last MCCG:

Date	Responsible	Description	Deadline / Status
23/10/2025	MCSC NEMOs	Provide metrics on the paradoxical rejection of the 30 min and 60 min curves after the SDAC 15 min MTU GL and present at the next MCCG	- Today
23/10/2025	MCSC NEMOs and TSOs	Clarify the reasons for the delays in SDAC results after the 15 min MTU GL	- Today
23/10/2025	MCSC TSOs	Keep preparing updated versions of the borders' overview per 30'IDCZGCT go-live date, as published in [ENTSO-E] Website	- Today

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SDAC and SIDC Corrective Measures

Timo Suhonen, Marja Eronen (SDAC MSD)

Vladimír Satek, Martim Stilwell (SIDC QARM)

Max Schneider (MCCG)

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SDAC and SIDC Corrective Measures

Summary

Background

▸ NEMOs and TSOs have published the **SDAC communication on the CMs** available on [ENTSO-E] and [NC] websites.

▸ In this section, the status of the preparation of measures for SDAC and SIDC will be introduced.
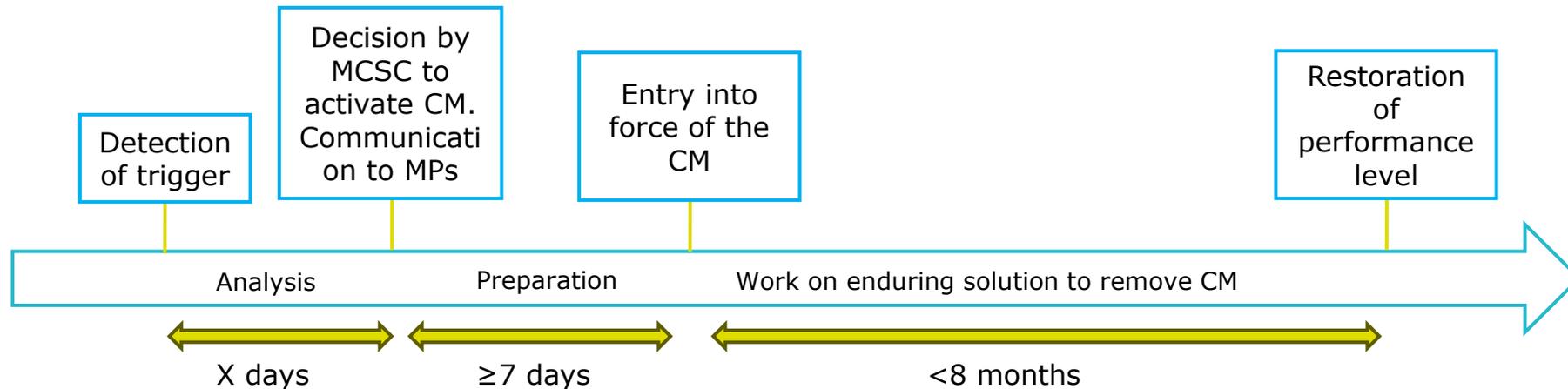
Key Takeaways:

▸ NEMOs and TSOs prepared a clear process. Market participants will be informed by MCSC and via the relevant NEMO at least one week before the activation of the CM itself.

▸ The application of CMs is triggered only based on SDAC algorithm performance degradation and they are last resort measures.

▸ Corrective Measures are based on Algorithm Methodology. The primary goal for the algorithm is to scale up its capabilities, thereby eliminating the need for the application of corrective measures.

▸ Improved KPIs are agreed; Clarification of the threshold for KPIs which would lead to the activation of CMs are initiated.

▸ Legal analysis related to the potential competitive risks associated with the corrective measures has been completed. No principal legal risk associated with the corrective measures has been identified, impact analysis to be concluded. Testing of the corrective measures is progressing.

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SDAC and SIDC Corrective Measures

Process

Background

▸ Corrective measures are:

　▸ **Last resort** intervention, and by definition, **interim**

　▸ **Targeted and proportionate**

　▸ Potentially a combination of several measures can be selected

Detection of trigger

Decision by MCSC to activate CM. Communication to MPs

Entry into force of the CM

Restoration of performance level

Analysis　　　Preparation　　　Work on enduring solution to remove CM

X days　　　≥7 days　　　<8 months

Key Takeaway: NEMOs and TSOs prepared a clear process. Market participants will be informed by MCSC and via the relevant NEMO at least one week before the activation of the CM itself.

SDAC Corrective Measures

Background

▸ Corrective Measures are based on Algorithm Methodology

▸ In the last MCCG, a list of corrective measures and application rules were presented

Reminder of Corrective Measures Approved by MCSC

The following approved SDAC Corrective Measures, as presented in the last MCCG in October, are being prepared:

  ▸ Reduction of all NEMO product usage down to a level where Euphemia performance is satisfactory

  ▸ Removal of the Linked blocks and Exclusive groups from product portfolio from all applicable NEMOs

  ▸ Replacing HVDC line set ramping with individual line ramping

▸ NEMOs are discussing the extent to which the coordination of the preparation is possible

Next

▸ SDAC MSD, together with NEMO Tech TF, continues to evaluate the possible further corrective measures in the H1 2026

  ▸ Potential additions or modifications shall be communicated in upcoming MCCG meetings

Key Takeaways:

▸ The application of CMs is triggered only based on SDAC algorithm performance degradation and they are last resort measures

▸ The primary goal for the algorithm is to scale up its capabilities, thereby eliminating the need for the application of corrective measures

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SIDC CT Corrective Measures

Summary and Short-Term Measures

Background

▸ NEMOs and TSOs are continuously working on the SIDC CMs.

  ▸ XBID stress test was performed in early 2025 and has become an integral part of all new releases since then.

  ▸ During this process, several weak points in SIDC CT were discovered which some of them have been undertaken, the latest are currently under testing to be deployed with **R5.0, which is expected to go live in Q2 2026,** and R5.1, which is currently under development, expected to come in early 2027.

Updates

▸ The performance testing of R5.0 shows good progress in the increase of performance for both base load and peak load situations. In parallel the clarification on the improved/new KPIs to monitor XBID CT performance (addressing also situations leading into latencies) is progressing with, among others, the shift from monthly/weekly monitoring reports to daily monitoring reports.

▸ KPI mapping to predefined CMs, including definition of threshold clarification, is initiated.

Key Takeaways: Improved KPIs to be monitored are agreed; Clarification of the threshold for KPIs which would lead to the activation of CMs, are initiated.

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SIDC Corrective Measures
Long-Term CMs

Background

▶ NEMOs and TSOs are working on the definition of multiple corrective measures for which harmonized approach is foreseen.

  ▶ The scope of the corrective measures and their contribution to the performance improvement is under scrutiny and may require additional time.

  ▶ The most mature CM is **Limitation of Orderbook Depth** which requires validation (testing) in the productive environment.

    ▶ The testing started in the production environment as of 1st December 2025, by reducing the depth from 100 to 50.

Updates

▶ Technical test of the price tick size is set to beginning of March 2026. Results of the OBK depth reduction, and Linked order functionality removal are under analysis.

▶ Parallel activities related to the preparation of the overarching document for SIDC CT corrective measures are ongoing.

▶ Legal analysis related to the potential competitive risks associated with the corrective measures has been completed.

Key Takeaways: No principal legal risk associated with the corrective measures has been identified, impact analysis to be concluded. Testing of the corrective measures is progressing.

MCSC proposals for Corrective Measures require further clarification

	Reduction of tick sizes	**Limitation of linked orders**	**Order ratios**	**Limiting order book depth**
Assessment	• Most MPs consider that the proposed granularity (10 eurocents) is sufficient. • Some argue that 0.01 € allows pricing to reflect real marginal prices of assets better.	• MPs recognise the limited use of block orders in SIDC continuous. • A Limitation might decrease market efficiency due to MPs reliance on e.g., family orders for optimisation of some technologies.	• MPs could agree to this measure if implemented on reasonable terms discussed with MPs and aligned across NEMOs.	• The order book depth should not be decreased below the 50 best competitive orders under any scenario.
Next steps	• The MCSC could look into impacts on price formation (coarser prices, widening spreads) and the optimisation of renewable assets.	• MPs would welcome MCSC transparency on the expected impact of this measure considering the limited use of linked orders.	• NEMOs should consult MPs on the nature of relevant order ratios and proposed limits. • Drastic changes should be avoided, otherwise some of the proposals, if adopted, could significantly disrupt MPs' activities.	• The MCSC should provide transparency on expected impacts at the end of the trial period in January 2026. • The assumptions behind the MCSC analysis that market activity concentrates within the 50 top price levels should be made explicit.

Implementation of 30 Minute IDCZGCT and Go-live in 2026

Gergő Holló (30 Minute IDCZGCT SPoC)

SIDC

30 Minute IDCZGCT
Information on 14/01 Go-Live

Summary

- **The first go-live took place on 14/01/2026** (delivery day) for those bidding zone borders for which the TSOs were not asking for derogation (table on the right).

- The go-live process **was smooth**, parties were not experiencing any major problem or incident.

- TSOs are monitoring the market results and collecting input for an impact assessment.

Borders With 30-Minute IDCZGCT

Borders	TSOs
AT-CZ	APG-CEPS
AT-DE/LU	APG-Amprion
AT-IT NORD	APG-Terna
AT-SI	APG-ELES
CZ-DE/LU	CEPS-50Hertz
EE-FI*	Elering-Fingrid
EE-LV	Elering-AST
HR-SI	HOPS-ELES
IT NORD-SI	Terna-ELES
IT internal borders	Terna
LV-LT**	AST-Litgrid

* 30min IDCZGCT was already implemented on EE-FI border
** LV-LT border went live only on 12/02/2026
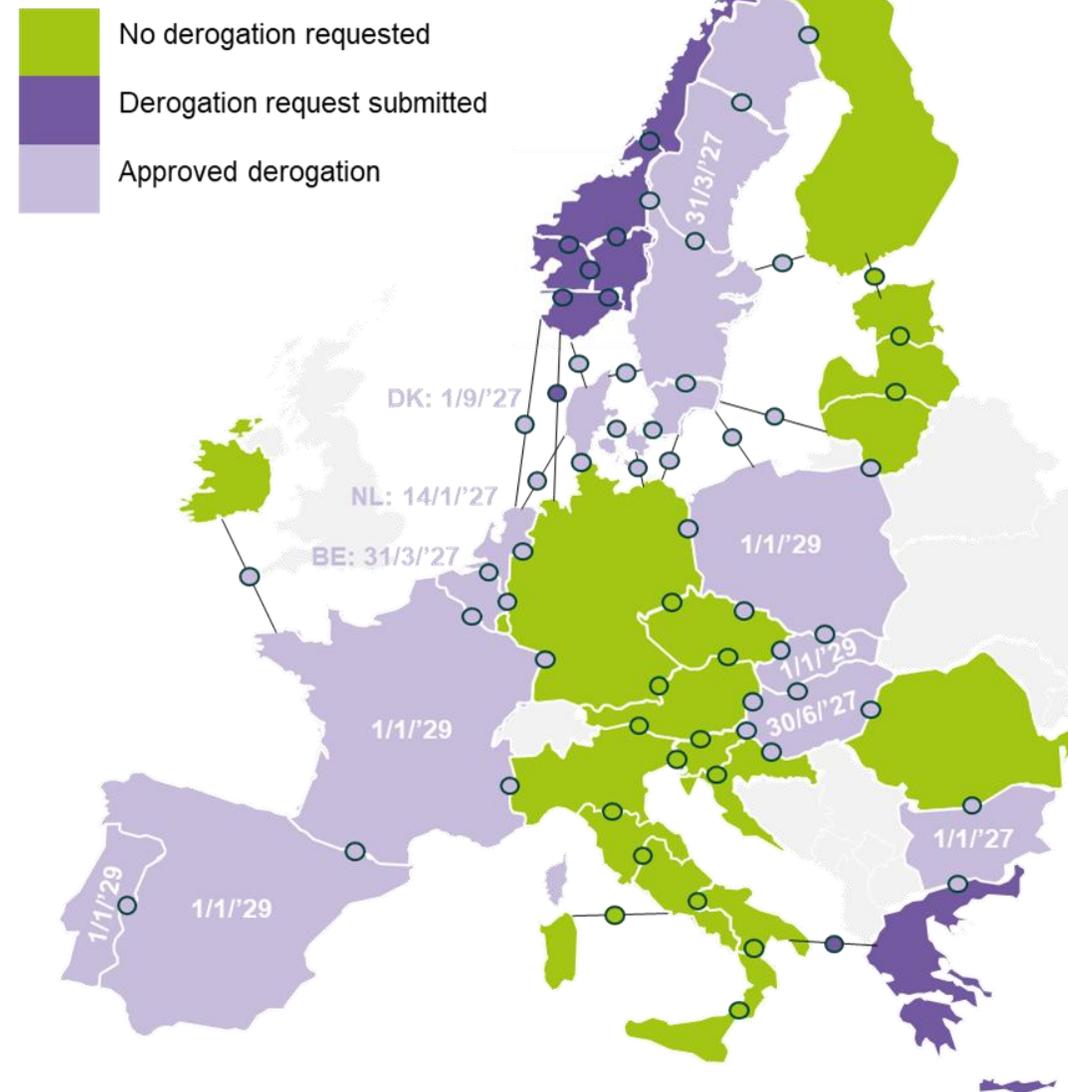
30 Minute IDCZGCT
Derogations and Planned Go-Lives

- **TSOs have received approval for their derogations** from most of the NRAs. In some countries, the derogation periods were shortened compared to the original request.

- **TSOs now have to revise their local implementation plans**, especially for those who received shortened deadline. Once the local plans are updated, alignments are needed in the central project to confirm the go-live dates.

- TSOs have collected the **planned go-live windows**, that are **subject to further clarification and confirmation**. TSOs will provide **regular updates on the planning.**

2026 Q4	2027 Q1	2027 Q3	2028 Q4
HU, NL	BE, BG, SE	DK	ES, FR, GR, NO, PL, PT, SK

- A **border-based overview was published in February on the [ENTSO-E website],** including information on the approved derogations as well as the planned go-lives.

Legend:
- No derogation requested
- Derogation request submitted
- Approved derogation

Map labels: 31/3/'27, DK: 1/9/'27, NL: 14/1/'27, BE: 31/3/'27, 1/1/'29, 1/1/'29, 30/6/'27, 1/1/'29, 1/1/'29, 1/1/'27

Statnett will submit a derogation request officially to its NRA after transposition of relevant regulation.
IPTO has ongoing discussions with their local NRA, decision and publication expected by March 2026.
Derogation request not applicable on EE-FI border as 30-minute IDCZGCT in effect prior to 01/2026.

Julkinen

SDAC Fallback Improvements

Karol Nicia (MCCG)

Tore Granli (GOV TF TSO)

Iwona Grude (SDAC OPSCOM)

Gergő Holló, Lara Visone (Fallback Expert Group)

Jean-Michel Reghem (Core Joint TSO-NEMO)

Milos Tomic (SDAC OPSCOM)

SDAC

SDAC Fallback Improvements
Main Takeaways From the 21/01 PCG Workshop

Background

▸ NEMOs, TSOs, ACER, and NRAs are continuing the investigation into operational robustness.

▸ In Q3 2025 MCCG, an update on all measures was provided.

▸ Through dedicated PCG workshops, NEMOs and TSOs are engaged with ACER to propose measures and are coordinating on their implementation or analysis. The latest WS was on 21/01.

Outcomes of the 21/01 PCG WS on Partial Decoupling Mitigation Measures.

WS1 – Prevention of Partial Decoupling

▸ NEMOs are considering a pre-order book submission test; new daily operational process for orderbook early pre-check and validation. Each NEMO will generate a "test" order book, validating LTS functionality earlier in a day, before GCT (exact timings are still open and are being discussed).

▸ NEMOs have presented the existing and future improvements to improve robustness of the local systems and harmonization of the main site setup and disaster recovery site for the implementation and operation of LTS systems.

▸ ACER shared a proposal for a centralized backup "LTS" for all NEMOs. NEMOs explained that there are fundamental issues with centralized backup "LTS".

Key Takeaway: TSOs and NEMOs are engaged in the short- and long-term measures.

SDAC

SDAC Fallback Improvements

Main Takeaways From the 21/01 PCG Workshop

WS2 – Relaxing the 15.30 Nomination Deadline

▸ To relax the 15:30 nomination deadline, it is a prerequisite from TSOs that shadow auctions are not a fallback allocation mechanism. For TSOs, intraday continuous trading (IDCT) is a good candidate for a more reliable allocation mechanism. Moving to IDCT will allocate 30 minutes more to processes like calculation with Euphemia, verification of results, nomination, etc. How the time is to be allocated between different processes will be decided later.

WS3 – Further Optimisation of Operational Timeline/Procedures

▸ TSOs repeated the precondition for the implementation of the change from 15:30 to 16:00, which is the implementation of the continuous intraday process as fallback for failed SDAC auction.

SDAC Fallback Improvements
Main Takeaways From the 21/01 PCG Workshop

WS4 – SIDC CT as Fallback for Capacity Allocation

▸ NEMOs and TSOs shared results from the ongoing investigation into the use of SIDC CT as a fallback mechanism for SDAC (see slides 20 – 25). Several follow-up actions were defined.

  ▸ **Action WS4.1:** Parties currently opposing the removal of shadow auctions (from Italy and Greece) will share detailed concerns and identified risks comparing a fallback solution with SIDC CT with a fallback solution with shadow auctions as well as detailed information on eventual further obstacles identified for the removal of shadow auctions – deadline: 15 February 2026.

  ▸ **Action WS4.2:** NEMOs and TSOs will jointly develop possibilities to remove any eventual obstacles (e.g. considering how eventual issues were addressed in different regions and propose solutions) for the implementation of the harmonised fallback mechanism (continuous intraday market) – deadline: next workshop.

  ▸ **Action WS4.3:** NEMOs and TSOs will prepare a roadmap for implementation of the continuous intraday market as fallback mechanism – deadline: next workshop.

  ▸ **Action WS4.4:** NEMOs and TSOs will provide reasons (procedures, timings, external steps,…) for lack of full harmonisation of CT ID fallback across the whole SIDC (Nordic regional coupling, late Iberian CT ID cross-border gate opening).

▶▶ SDAC

SDAC Fallback Improvements
Main Takeaways From the 21/01 PCG Workshop

WS5 – Preventing Multiple SDAC Prices Within BZs in Case of Partial Decoupling

▸ Core NEMOs and TSOs shared the latest status of the implementation of Volume Allocation in Core MNA bidding zones (see slides 30-32).

WS6 – Ensuring a Single SDAC Reference Price in Every Bidding Zone in Case of Full Decoupling

▸ NEMOs and TSOs shared results from the ongoing investigation into the use of SIDC CT as a fallback mechanism for SDAC (see slides 20 – 25). Several follow-up actions were defined.

  ▸ **Action WS6.1:** NEMOs and TSOs will remove the obstacles and reach agreement on how to implement the harmonised fallback mechanism (continuous intraday market) until next workshop, which will enable the implementation of day-ahead reference price mechanism (calculation timing of the WAP based on CT ID, harmonisation of the timeframe taking into account trades for WAP calculation), based on the continuous trades executed in case of decoupling.
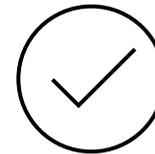
SDAC Fallback Improvements

WS1 – Prevention of Partial Decoupling

Since last SDAC partial decoupling occurred in July 2024, NEMOs have strengthened local systems and processes, improving overall resilience and reliability. Analysis of past incidents shows that none of the measures can guarantee 100% prevention of decoupling. It remains an operational risk despite improvements. In response to ACER's request for reconsideration of LTS improvements, and while ensuring market participants have sufficient time to submit bids before GCT, NEMOs are developing a new daily operational process that balances stakeholder needs.

High-Level Process for Generating and Validating a Test OBK in Production LTS:

▸ A daily process in the production to detect order book creation issues early, allowing more time to resolve problems before key market deadlines.

▸ Each NEMO generates a local "test" order book to validate LTS functionality, ensuring the system can independently create an order book.

▸ A centralized check confirms successful order book generation, helping to identify and address issues well before market coupling deadlines.

▸ Additional validation can be performed by sending the test order book and network data to a pre-production/test environment.

▸ Market participants are encouraged to submit orders early to support effective testing.

Pros

Sending an OBK to pre-production/test environment **won't increase the complexity of operational processes.**

Cons / Risks

OBK generation before the GCT **does not fully remove the risk** of issues with the LTS failure at GCT.

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SDAC Fallback Improvements

WS1 – Prevention of Partial Decoupling

Measures to Increase the Resiliency of LTSs by all NEMOs:

1) Harmonization of the LTS architecture setup:

Main site setup includes primary and secondary sites with automated quick failover, reducing risks from configuration errors or security breaches.

Disaster recovery site is physically separate to protect against site-level failures such as power outages or natural disasters.

This architecture should be a mandatory standard for all current and future parties, with minimum requirements defined through GL adherence.

2) Collect and centralize Resilience Expectations for LTSs' of NEMOs from all parties to a central set of general requirements leaving the flexibility as of "how" but also defining the common results criteria. The following list presents the pillars to be further extended by NEMO Committee as soon as possible:
   - Pillar 1 – Connectivity Resilience (Order Collection from Members)
   - Pillar 2 – Trading & Infrastructure Resilience
   - Pillar 3 – Operational, Cloud & Scalability Resilience
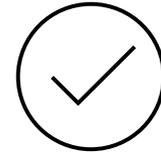
Pros

Increases the resiliency in specific cases of accidents which impact availability and stability of primary sites for those NEMOs which have not yet implemented such solution.

Cons / Risks

Switch to backup site may be a time-consuming process and **may not be enough to prevent** incidents which typically cause the decoupling cases.
Increases the burden for possible newcomers considering joining the operating and coordinating NEMOs.

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SDAC Fallback Improvements
WS4 – Using SIDC CT as a Fallback

In the 3rd CACM PCG workshop, which took place on May 21, 2025, ACER formulated several tasks including two assigned to WS4 and WS6, which the MCSC Fallback Expert Group (FEG) is tasked to analyze. For the time being, **NEMOs and TSOs are not considering the application of the SIDC CT fallback to areas or regions where**:

▸ **borders are currently not subject to shadow auctions;**

▸ **the current fallback guarantees the unicity of the reference clearing price.**

Specific emphasis will be given to assessing the possibility of implementing the fallback in the Core region, both in its current configuration (all borders within the same CCR) and in its future state (CE integration), to avoid situations where the same TSO would have to apply different fallback mechanisms on its borders. Considering the strong interlink between this workstream and TSOs conditions for WS2, NEMOs and TSOs are also exploring how, in case of postponement of the nominations deadline (WS2), the additional time created can be used for both:

▸ Improvement of the current target time for the SDAC operational timeline;

▸ Definition of critical processes for the fallback using SIDC CT (price formation/scheduling provision).

SDAC Fallback Improvements
WS4 – Using SIDC CT as a Fallback

Based on the description in the previous slide and considering the potential effects this concept will have on the daily operational processes, it is considered crucial for market participants, active in the areas affected by the proposed fallback, to fully evaluate what will be the timing constraints once this new process is introduced:

▸ **Generation and load schedules will be based on trading happening until a point in time which is close to the deadline itself;**

▸ **SDAC reference price in these areas will be only available between 15:15 and 15:45 CE(S)T.**

It has to be emphasized that the fallback proposal is currently a concept. The geographical scope, the potential implementation deadline as well as the timing of the planned process steps are currently under discussion.
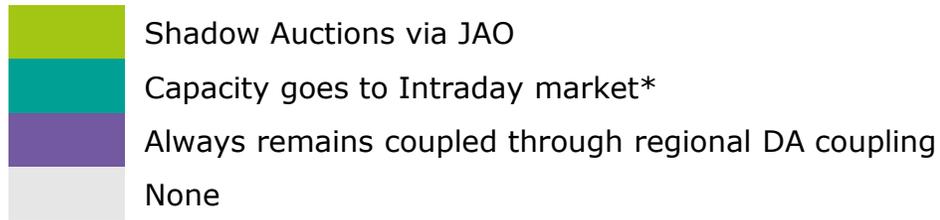
Therefore, it should not be considered as agreed among the TSOs and the NEMOs.

TSOs and NEMOs plan to share a survey among the MPs to gather their inputs concerning the proposed fallback.

SDAC Fallback Improvements
WS4 – Geographical Overview of Fallback

Fallback allocation measures applicable for each SDAC Interconnector

Legend:
- Shadow Auctions via JAO
- Capacity goes to Intraday market*
- Always remains coupled through regional DA coupling
- None

* PL-LT (LitPol Link) capacity goes back to interconnector owner

Currently, NEMOs and TSOs are considering the application of the proposed fallback in the areas marked in green strike and dark green.
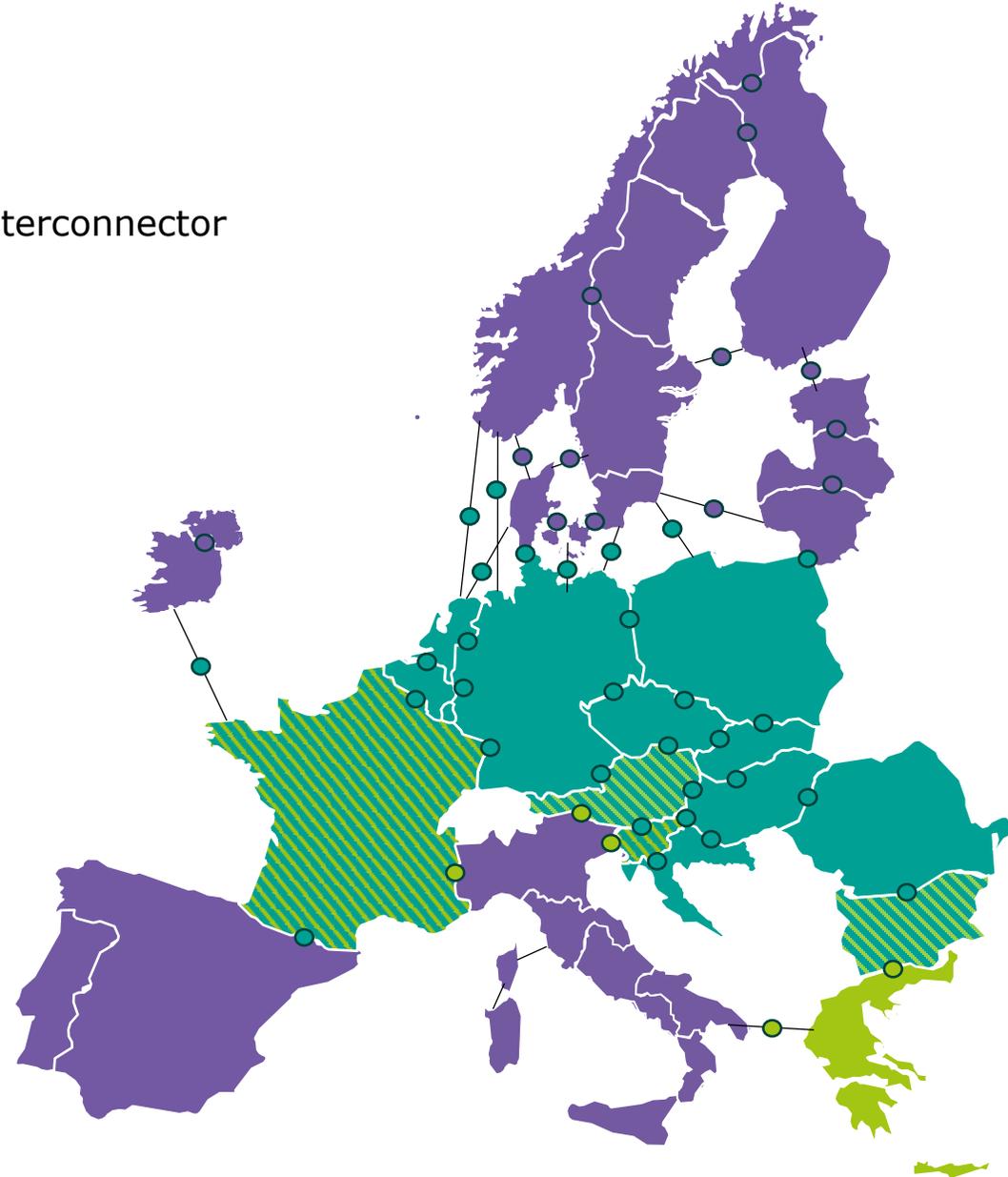
1) For RTE, only harmonized solution is acceptable on the FR borders, while having no fallback solution is not acceptable.
2) CEPS supports the cancellation of the SA and the establishment of a reference price for UIOSI using the IDA1 preference. Setting the price in CT is acceptable; however, we are concerned about potential deliberate price manipulation.

3) ESO prefers harmonised approach for the SEE CCR borders.
4) For APG the proposed solution is still to be further investigated; especially details on CCR-level concerning pre-coupling processes are still to be further investigated/solved.

SDAC

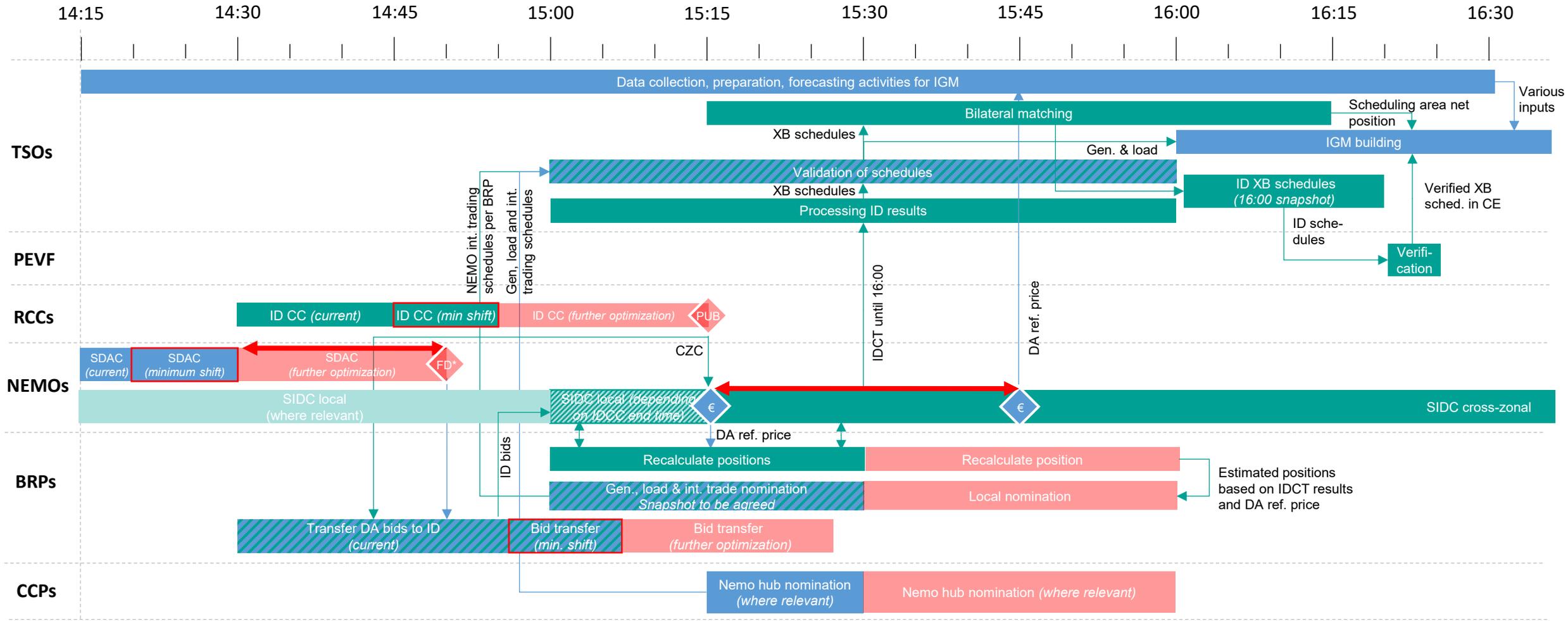# Focus on Full Decoupling, SIDC CT Fallback w/o SAs
Current Timing

* Declaration of SDAC full decoupling, triggering IDCT as fallback
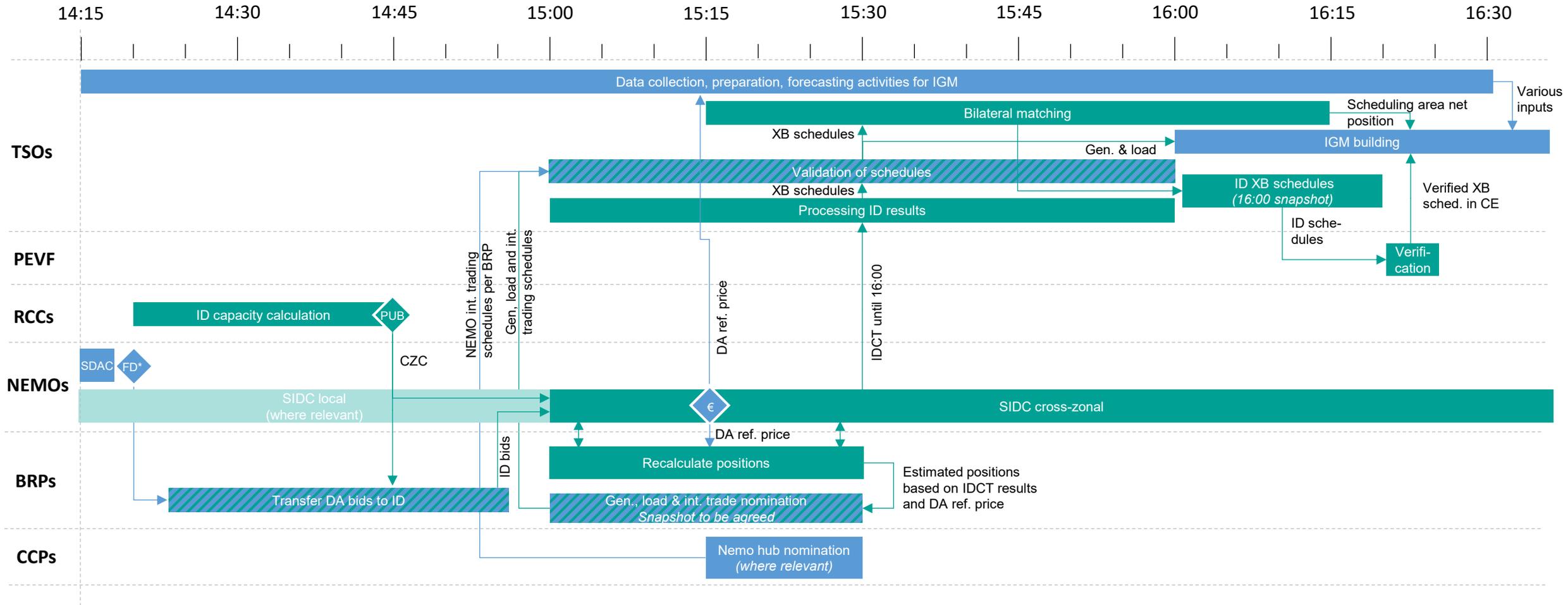
Focus on Full Decoupling, SIDC CT Fallback w/o SAs

Example of Redistribution of the Additional Time. Other Examples May Be Provided Keeping Publication of Capacity at 15:00

SDAC Fallback Improvements
WS6 - Detailed Proposal for Definition of SDAC Reference Price[1]

For each contract and bidding zone (BZ), the reported price is calculated as the volume-weighted average of all "relevant" trades. The "relevant trades" are those where at least one of the counterparts (buyer or seller) is located in the respective BZ and executed within the defined time window, between the start of trading in that BZ and 15:15[2] CET. The volume of each trade is counted only once per trade; therefore, if both the buyer and the seller are located in the same BZ, the volumes are weighted only once, and not twice.

▸ The formula for calculating the volume weighted prices is: $\dfrac{\sum_n VP}{\sum_n V}$

where V – traded quantity, P – price, n – number of all relevant trades.

▸ In the example below the value that is expected for this contract and Bidding Zone BE is 23.46 €/MWh, as per following calculation:

$$\frac{(214.4 * 23.52) + (12 * 24.12) + (14.5 * 23.33) + (8.6 * 21.22)}{214.4 + 12 + 14.5 + 8.6} = 23.46$$

The price described above would be the official SDAC reference price for the session affected by the fallback

Hour	Sell MP	Buy MP	BZ1 Hourly contract	
			Traded Qty (MW)	Price (€/MWh)
00-01	Order_1 🇧🇪 BE	Order_2 🇳🇱 NL	214,4	23,52
	Order_3 🇧🇪 BE	Order_4 🇧🇪 BE	12	24,12
	Order_5 🇧🇪 BE	Order_6 🇧🇪 BE	14,2	23,33
	Order_7 🇧🇪 BE	Order_8 🇧🇪 BE	8,6	21,22
	Weighted Average Price (€/MWh)			23,46

Only one leg of the trade belongs to the concerned BZ
Both legs belong to the concerned BZ

1. Only applicable to regions using the proposed fallback solution
2. Current proposal, subject for further elaboration and optimisation

▶▶ SDAC

Update on Electricity Regulation Art. 7.2 (ca)
CORE MNA Status – WS5

Update on Electricity Regulation Art. 7.2 (ca)
## Introduction
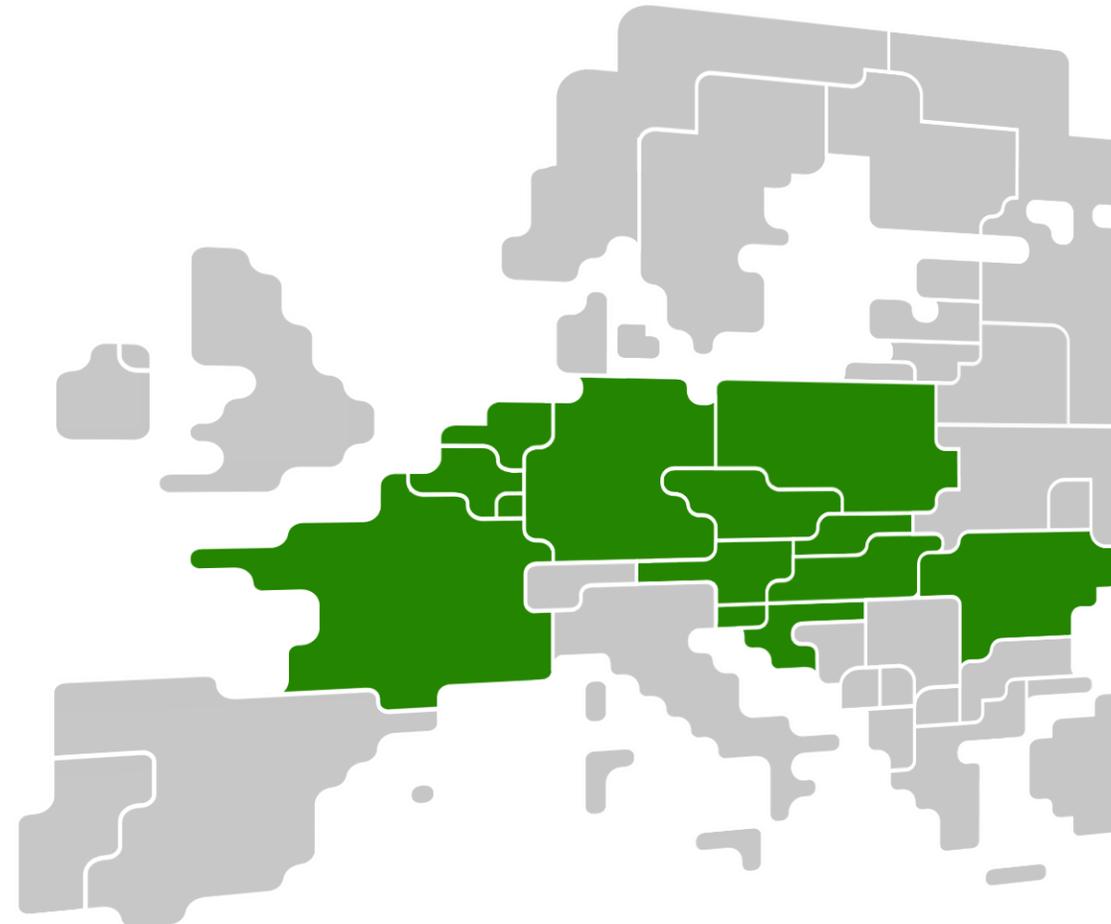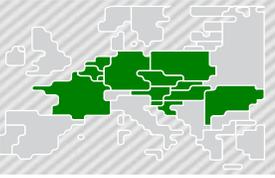
Background

- Article 7.2 (ca) of the Electricity regulation was updated in line with EMDR changes in 2024. This poses a conflict between the Electricity Regulation and Core procedures & national MNAs, specifically as running local auctions in cases of partial decoupling (in MNA areas) is not allowed anymore.

- This means that the fallback procedures used in the Core CCR need to be adapted for MNA area—as the existing fallback procedures rely on the use of Local Auctions.

- As previously shared in stakeholder meetings (PCG 23/05, 07/10, MCCG 23/10), Core NEMOs and TSOs have agreed to implement Volume Allocation in case of partial decoupling (in MNA areas when at least one NEMO of the concerned MNA area(s) remains coupled): with this mechanism, volumes from decoupled NEMOs can be settled against the SDAC price and not at a different price.

- This new mechanism is being supported through appropriate technical, procedural and regulatory adaptations.

Reminder on high-level design volume allocation in MNA areas

- In case a NEMO is unable to submit an orderbook to SDAC, the NEMO is decoupled from SDAC.

- The SDAC price is calculated without the decoupled NEMO(s), where this SDAC price is the only price published for all NEMOs in the bidding zone.

- The decoupled NEMO can allocate buy and sell volumes at the fixed SDAC price until all volumes that can be balanced are allocated.

- Any remaining buy or sell volumes remain unmatched and should be traded OTC or in the intraday market.

3. Partial decoupling in MNA areas

For discussion: Update on Volume Allocation implementation
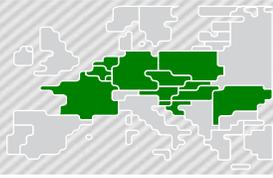
Background

- Core TSOs and NEMOs informed ACER, NRAs, and stakeholders of the planned implementation during PCG, MESC, and Core IG+ in December 2025. Information on what Volume Allocation (the mechanism replacing Local Auctions) is and how it works was also shared in these meetings.

The aim of today is to share an update on the implementation of volume allocation

Main updates

- Nord Pool is ready to offer volume allocation to its trading members.
- EPEX SPOT will keep implementation in Q1 2026, should some MNAs not enter into force on time. Mid-March 2026 is targeted, communication is already done to Market Parties.
- The updated MNAs will bring their wording in line with Article 7.2 (ca) of the Electricity Regulation (prohibition to operate local auctions as a fallback). In addition, it will encourage decoupled Core NEMOs to implement volume allocation using the SDAC price to settle some of their members' volumes.
  - The timelines for submission and approval of MNAs can be found on the following slide.

3. Partial decoupling in MNA areas

For discussion: Update on Volume Allocation implementation
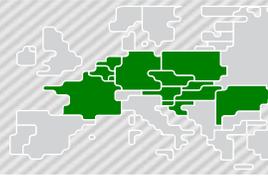
Overview of submission and approval processes for MNAs in Core

	Explanation	Initiation date	Readiness date (submission date)	Approval date
AT	Draft amendment of MNA shared, in alignment with NRA	22/07/2025	Submitted on 23/01	APG: Depending on NRA approval (up to 6 months)
BE	Updated MNA has been approved by CREG	26/06/2025 (internal) 15/07/2025 (with NEMOs)	Elia: Technical: Ready (Current MNA compatible with Volume coupling) Submission date 23/12	Approved on 12/02
DE/LU	The final version of the DE/LU MNA agreed upon with the German and Luxembourgish NRAs has been sent to the NEMOs on 19 December 2025. They have until 16 January 2026 to provide an opinion. After that date, the MNA will be sent for approval to the NRAs. The timeline of the approval process is under the responsibility of the NRAs.	01/07/2025	Submitted for approval on 30/01/26	Under NRAs' responsibility (30/07/26 at the latest)
FR	RTE launched a public consultation with the French market parties in December. The consultation closed on 21/01. RTE is currently analysing the feedback received from stakeholders and will then submit the final version of the French MNA to the NRA for approval	01/11/2025		To be decided with NRAs
NL	Confirmed that a change of the MNA is needed; this is now being initiated.			
PL	MNA amendment not needed, only changes in MNA procedures required (Final MNA procedural draft, approval by PL OPSCOM, approval by the PSE board)	N/A	N/A	N/A
RO	Change of MNA is in progress; in the best case the MNA will be submitted in March 2026		01/03/2026	
HR	The Croatian MNA already includes Volume Allocation as a fallback method for the Day-Ahead (DA) timeframe, and that this has been taken into account during its preparation and alignment. It is currently expected that the finalized Croatian MNA will be submitted to the Croatian NRA (HERA) by the end of January 2026.			
SI	The rules for the establishment of the Slovenian MNAs are currently under preparation and have not yet been formally adopted. During the drafting process, ELES has addressed, together with all designated NEMOs in Slovenia, the situation of Partial Decoupling. In such a case, a NEMO that would not participate in the day-ahead market coupling process (SDAC) for the relevant day would not be allowed to organise a local auction. Instead, it could offer transactions to its market participants at the price determined within the SDAC process.			

SDAC Fallback improvements
Training Session With Market Participants – Full Decoupling and Shadow Auctions

Background and objectives

▸ On 19/11, NEMOs, TSOs and JAO organized the bi-annual full decoupling session. The test was supervised by SDAC OPSCOM and aims at enhancing market participants' readiness in case a decoupling situation occurs. The training was mainly focused on performing shadow auctions and nominating explicit capacity.

▸ The test was the first one organized after the go-live of 15 min MTU.

▸ The test executed normally until decoupling activities, when Shadow Auctions results were published and distributed correctly; however, the rights documents could not be distributed and TSOs could not perform nomination of explicit capacity.

  ▸ A first analysis showed that the issue was caused by a human error and inadequate coordination between JAO operations and IT team. JAO's internal processes have already been updated and procedures reinforced to ensure future stability.

Updates and points of attention

▸ Following the training session SDAC OPSCOM has been gathering feedback from participating parties and market participants to identify areas for improvement in future trainings. Based on initial feedback and post-test analysis, the following improvement areas have been identified:

  ▸ Test Execution (dry runs, communication templates, readiness and availability of parties)

  ▸ Participation (test scenarios, clear objectives, MP outreach)

  ▸ Added value for participants (Fallback Manual training, involvement on lessons learned and improvements)

Key takeaways: SDAC OPSCOM will continue to advance specific initiatives in each improvement areas to help achieve successful training sessions with market participants in the future.

▸▸ SDAC

SDAC R&D for Euphemia

Timo Suhonen, Marja Eronen (SDAC MSD)

SDAC

SDAC R&D for Euphemia
Storage Orders

Background

▸ Storage Order R&D has been on low priority to make room for 15' go live and follow-up

▸ R&D track has been now re-activated

▸ Current design supports batteries and hydro pump stations

  ▸ In general, all systems that can buy and sell energy during the same day

Update

▸ New set of simulation has been run with "better than expected" results on performance

▸ The R&D details and working assumptions are presented on the following slide

▸ After the simulations are finalised, **public consultation** is expected to be launched in Q2 2026

Key Takeaways:

▸ In the coming MCCG (early Q3 2026), further information about the products to be implemented is expected to be shared

▸ The go-live target for Storage Order is in 2027.

MCSC

SDAC R&D for Euphemia
Storage Orders

R&D Details:

▸ Storage Order (SO) is optimally allocated across periods by Euphemia using the following parameters that are considered for defining the SO:

   ▸ **Required parameters** for SO:

      ▸ Maximum energy stored (One per period – MWh)

      ▸ Maximum input power (One per period – MW)

      ▸ Maximum output power (One per period – MW)

      ▸ Price spread - cycle costs (One per order – €/MWh)

   ▸ **Optional parameters** for SO (in case not specified, the default value is used):

      ▸ Starting energy stored (One per order – MWh) default 0

      ▸ Minimum energy stored (One per period – MWh) default 0

      ▸ Efficiency (One per order – %) default 100

      ▸ Value given to energy stored at the end (One per order – €/MWh) default 0

▸ Current assumption is that the small Storage Orders will be aggregated for the calculation process to limit the overall negative impact on algorithm performance (currently considered is the aggregation of storage orders <5 MW or <25 MW)

▸ Simulations performed included Storage Orders based on batteries and pumped storage hydropower parameters (capacities ranging from 1 to 400 MW, multiple types per each bidding zone, efficiencies around 0.8-0.9)

Key Takeaway: The parameters and assumptions outlined above are preliminary and may be revised as R&D activities on storage orders progress.

MCSC

SDAC R&D for Euphemia
Adequacy Patch Revision

Background

▸ The current Adequacy Patch (AP) design, which is a part of the curtailment management, is more than 10 years old, hence it needs to be evaluated

  ▸ The market has changed a lot since then: market fundamentals with higher RES shares and loss of inertia, political environment in the EU with more emphasis on ensuring adequate electricity supply, increase of available MTUs

  ▸ As the market has changed a lot, an updated design is potentially needed

▸ In the past, Day-Ahead market has had only very few occasions where Adequacy Patch has been needed

  ▸ There is not sufficient historical data to validate the upcoming AP design

▸ N-SIDE as the service provider and the responsible ENTSO-E Task Force are now in co-operation

  ▸ ENTSO-E Task Force provides their input from internal testing and N-Side describes how the AP works currently

Update

▸ Initial simulations allowed us to check the current design in a small-scale example

▸ Next step is to run larger simulation sets and observe the behaviour in a more realistic data sets

▸ Final step is to adapt the AP design to reflect the latest SDAC market changes (15' MTU, Core AHC, etc.)

Key Takeaway: The work is on-going and the design will be re-considered based on data from simulations.

MCSC

15-Minute Volumes in SDAC

Timo Suhonen, Marja Eronen (SDAC MSD)

Q&A via **Slido.com**
Enter code: **1184334**

SDAC

Context

▸ These slides contain information about the usage of 15-minute, 30-minute and 60-minute products in SDAC since 15' MTU go-live on 01/10/2025. Specifically, it includes data of orders **offered** to the SDAC market.

▸ In MCCG on 23/10, initial insights about the 15' MTU were shared by PCR ALG.

▸ This document aims to build on the previously shared insights and inform market participants about general trends since the 15' MTU go-live. It contains, for the period 01/10/2025 – 31/01/2026:

  ▸ Total 15' MTU volumes as share of total volumes per region and across all regions

  ▸ Monthly 15' MTU volumes as share of total volumes per region

  ▸ Monthly 15', 30' and 60' volumes as share of total volumes across all regions

▸ *Note: the analysis is done based on country/regional level, so some bidding zones have been merged.*

Overall Data

Period 01/10/2025 Until 31/01/2026

▸ This slide contains data on two metrics:

1. Share of curve volume in 15' out of total curve volume.

2. Share of curve + block volume in 15' out of total curve + block volume.

▸ The blue shade indicates the relative percentage. Darker blue indicates a higher share of 15' products in a region.

▸ The total is included at the bottom.

    ▸ *Note: these totals do not include 30' MTU orders on the island of Ireland, where only 30' orders are available.*

Area	15' MTU curve volume / total curve volume per area	15' MTU curve&block volume / total volume per area
AUSTRIA	50%	46%
BALTIC	95%	69%
BELGIUM	58%	82%
BULGARIA	73%	73%
CROATIA	55%	50%
CZECHIA	47%	67%
DENMARK	67%	56%
FINLAND	89%	88%
FRANCE	64%	87%
GERMANY	82%	84%
GREECE	94%	95%
HUNGARY	77%	65%
IBERIA	100%	100%
ITALY	81%	82%
NETHERLANDS	60%	58%
NORWAY	89%	87%
POLAND	59%	61%
ROMANIA	39%	41%
SLOVAKIA	82%	81%
SLOVENIA	65%	64%
SWEDEN	81%	83%
Total	**80%**	**80%**

SDAC

Monthly data
15' MTU Curve Volume as Share of Total Curve Volume

- This slide contains an overview of the share of **curve volume** in 15' MTU, out of total **curve volume** (left column in previous slide), now split by each month.

- Notable differences when comparing October to January:
  - Croatia increased from 45% to 66%
  - Czechia increased from 37% to 63%
  - Slovenia increased from 59% to 76%
  - Austria **decreased** from 53% to 47%

15' MTU curves

■ October 2025 ■ November 2025 ■ December 2025 ■ January 2026

SDAC
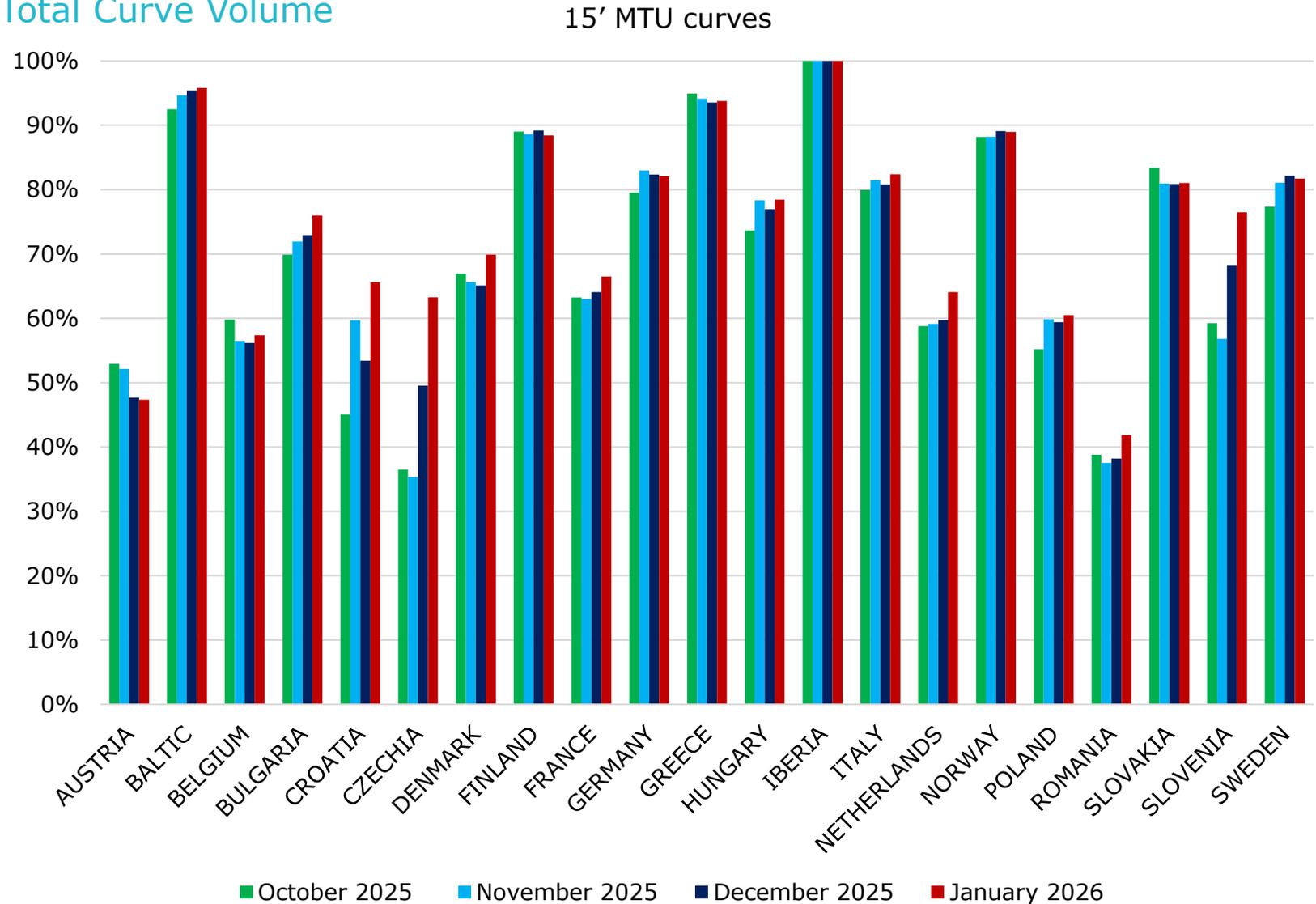
Monthly Data
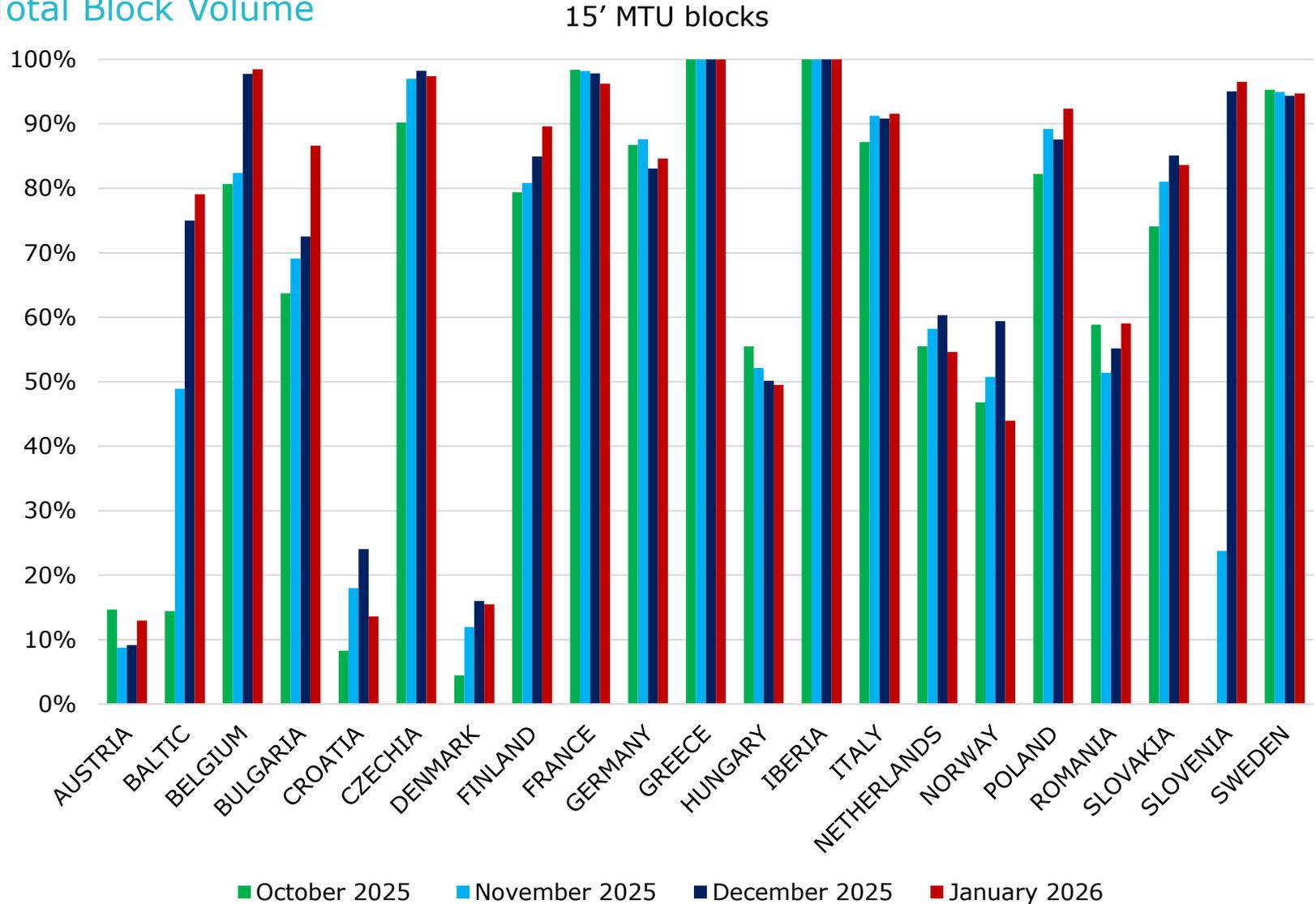## 15' MTU Block Volume as Share of Total Block Volume

- This slide contains an overview of the share of **block volume** in 15' MTU, out of total **block volume** (not shown in previous slide), now split by each month.

- Notable differences when comparing October to January:
  - The Baltic region increased from 14% to 79%
  - Belgium increased from 81% to 98%
  - Bulgaria increased from 64% to 87%
  - Denmark increased from 4% to 15%
  - Finland increased from 79% to 90%
  - Poland increased from 82% to 92%
  - Slovakia increased from 74% to 84%
  - Slovenia increased from 0% to 97%
  - Hungary **decreased** from 55% to 49%

15' MTU blocks

Legend: October 2025, November 2025, December 2025, January 2026

SDAC

Monthly Data
15' MTU Block + Curve Volume as Share of Total Block + Curve Volume

15' MTU curves & blocks

- This slide contains an overview of the share of **curve + block volume** in 15' MTU, out of total **curve + block volume** (right column in previous slide), now split by each month.
- Notable differences when comparing October to January:
  - The Baltic region increased from 39% to 84%
  - Belgium increased from 75% to 89%
  - Croatia increased from 40% to 60%
  - Czechia increased from 53% to 81%
  - Slovenia increased from 52% to 78%

Legend: October 2025, November 2025, December 2025, January 2026
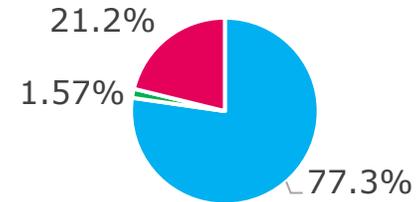
SDAC
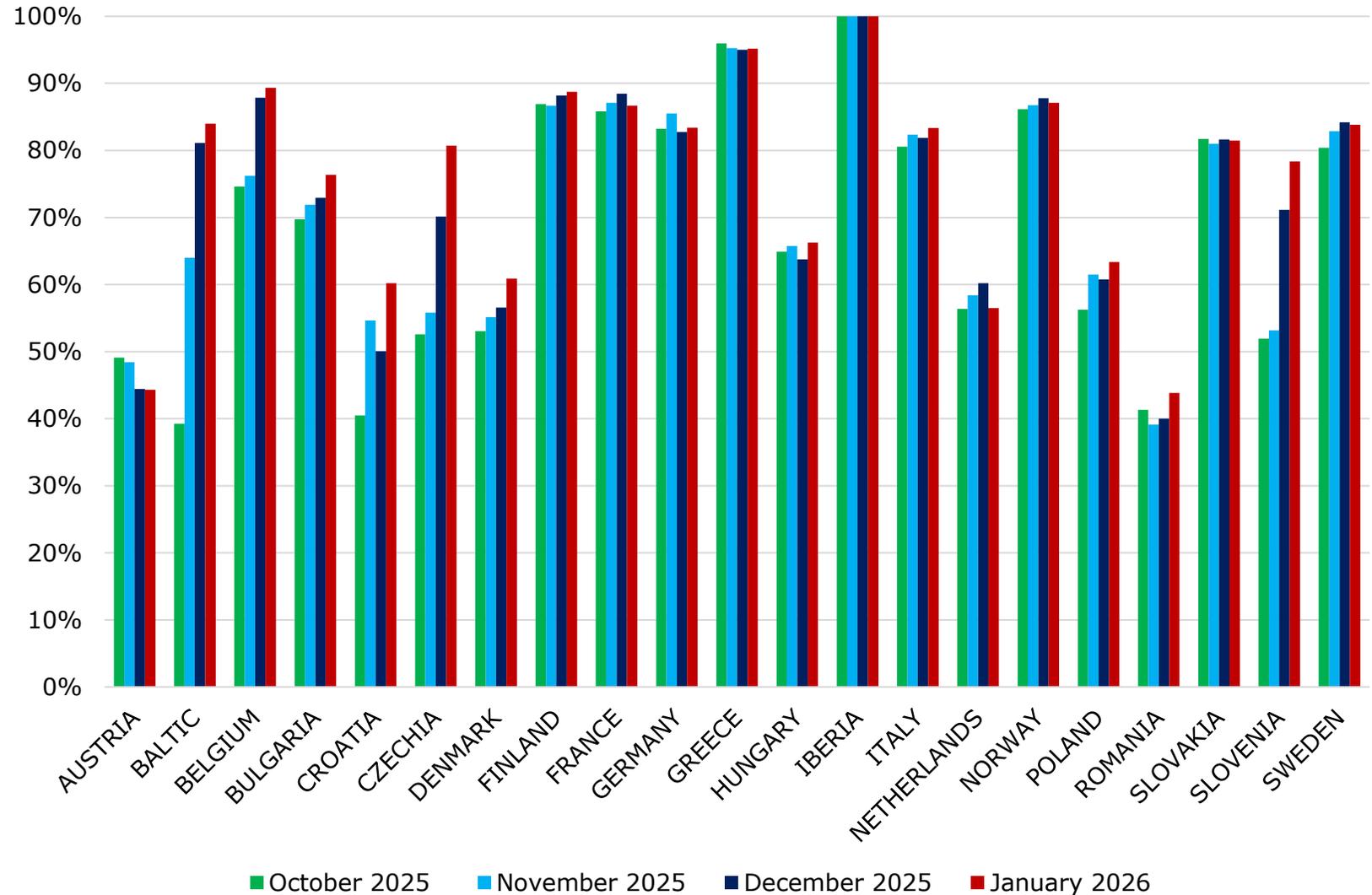
Monthly Data
15', 30' and 60' Pie Charts

▶ This slide contains an overview of the share of curve + block volume in different resolutions, **for all regions combined.** The island of **Ireland** is now also included, since it allows 30' orders.

▶ The data is now split into 15', 30' and 60' orders.

▶ Remarks:

   ▶ The share of **15'** orders is steadily increasing, reaching **80.2%** in January 2026, while the shares of **60'** and **30'** orders are decreasing.

   ▶ All contributions to the **30'** volumes are from Denmark, France, Germany, the island of Ireland, Italy, Netherlands, Poland and Romania, with Ireland taking up **98.3%** of all **30'** volumes in this dataset.

October 2025

21.2%
1.57%
77.3%

■ 15' MTU ■ 30' MTU ■ 60' MTU

November 2025

19.1%
1.41%
79.5%

■ 15' MTU ■ 30' MTU ■ 60' MTU

December 2025

18.5%
1.40%
80.1%
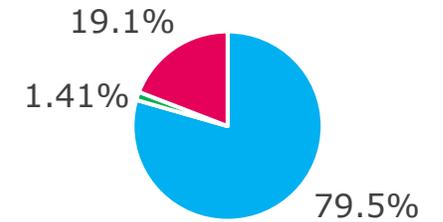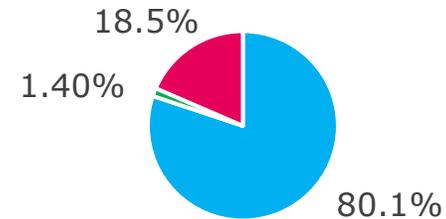
■ 15' MTU ■ 30' MTU ■ 60' MTU

January 2026

18.4%
1.35%
80.2%

■ 15' MTU ■ 30' MTU ■ 60' MTU

Julkinen
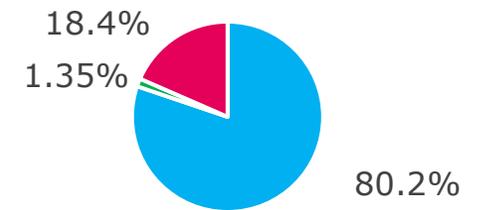
SDAC

SDAC 15 Minute MTU
Statistics on Algorithm in Last 90 Days: Volumes

Overall, the ration between 15' and 60' curve orders has been on the same level since the go-live of 15 MTU
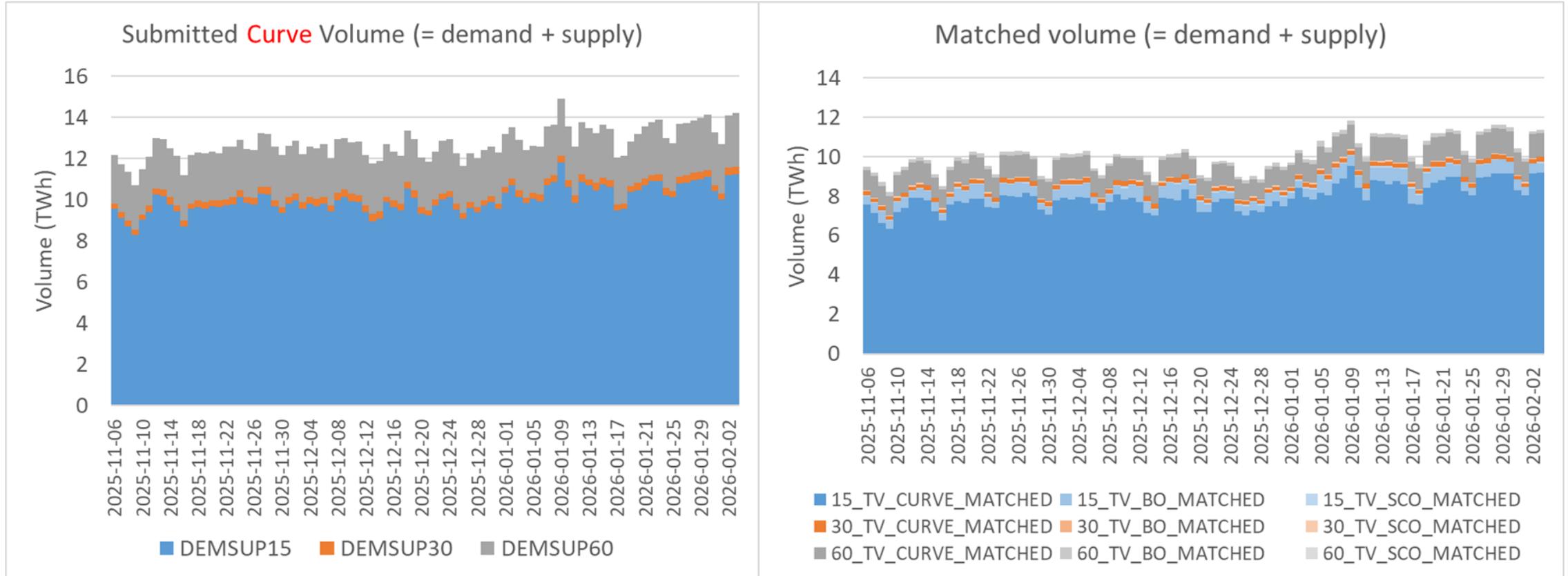
SDAC

SDAC 15 Minute MTU
Statistics on Algorithm in Last 90 Days: Block Order Usage

Number of Block orders has been slightly increased after 15 MTU go-live
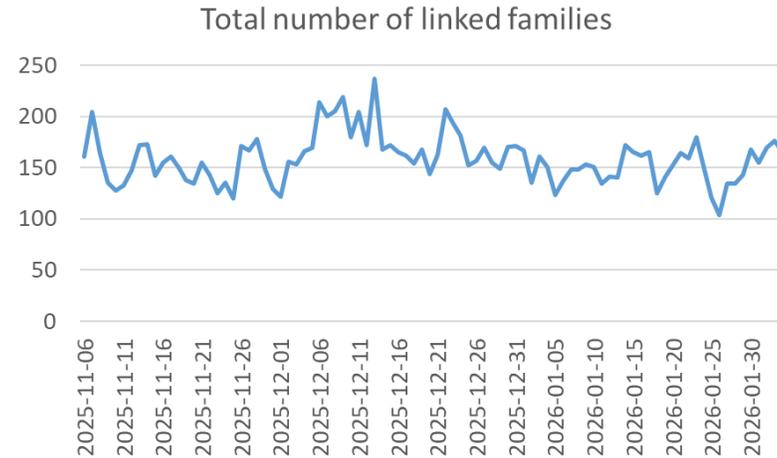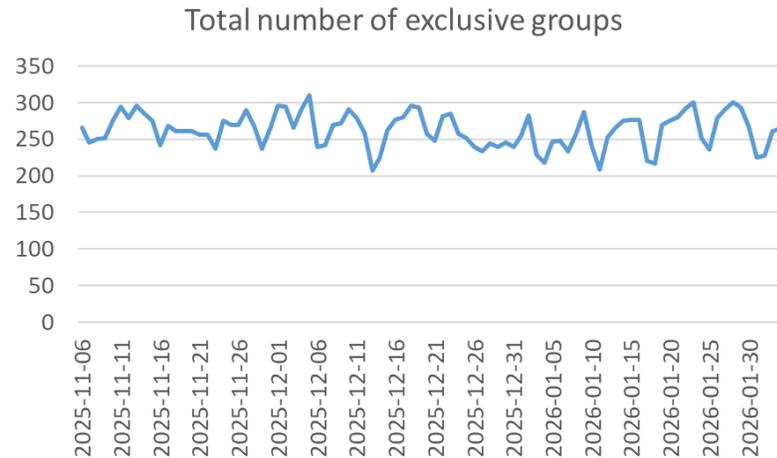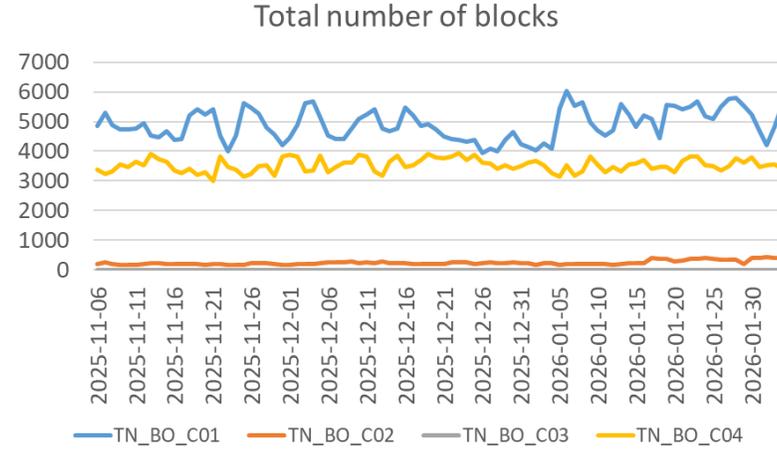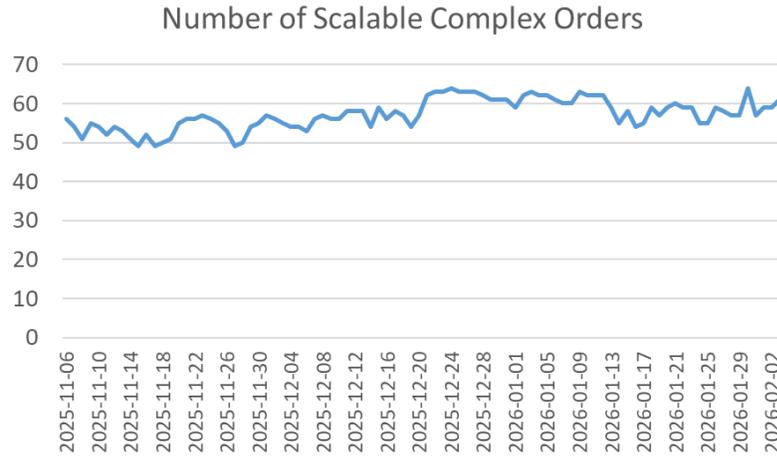
SDAC 15 Minute MTU
Statistics on Algorithm in Last 90 Days: Matched Volumes per Time Resolution and TTFS
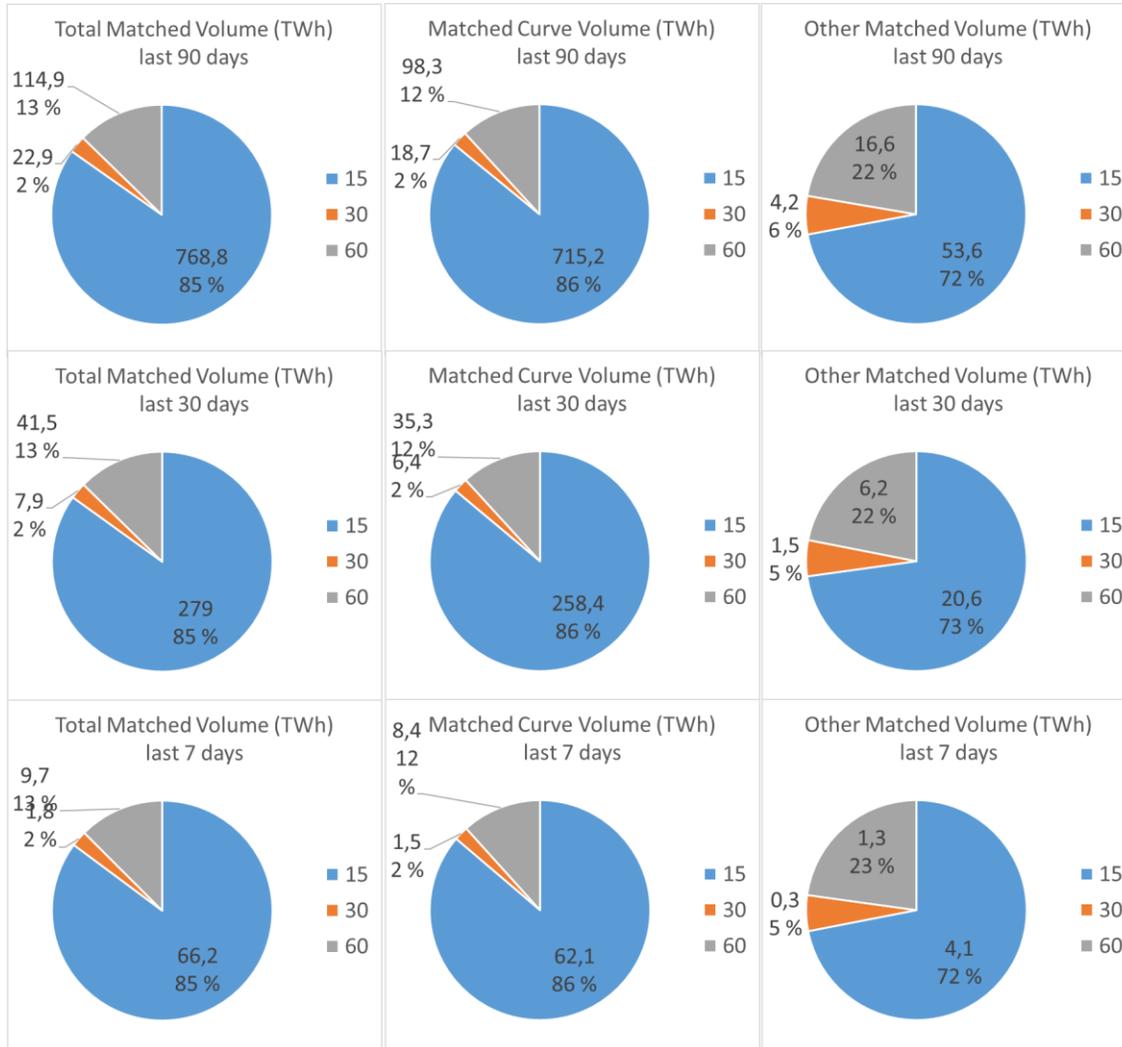
Operational calculation time of the SDAC algorithm:
- ▸ Before 30.09.25, incl.: 17mins = 1020s
- ▸ After 01.10.25, incl.: 30mins = 1800s

Time To First OK Solution:
- ▸ 1.1.2025 - 30.09.2025 ~ 87 s
- ▸ 01.10.25 - 3.2.2026 ~ 455 s
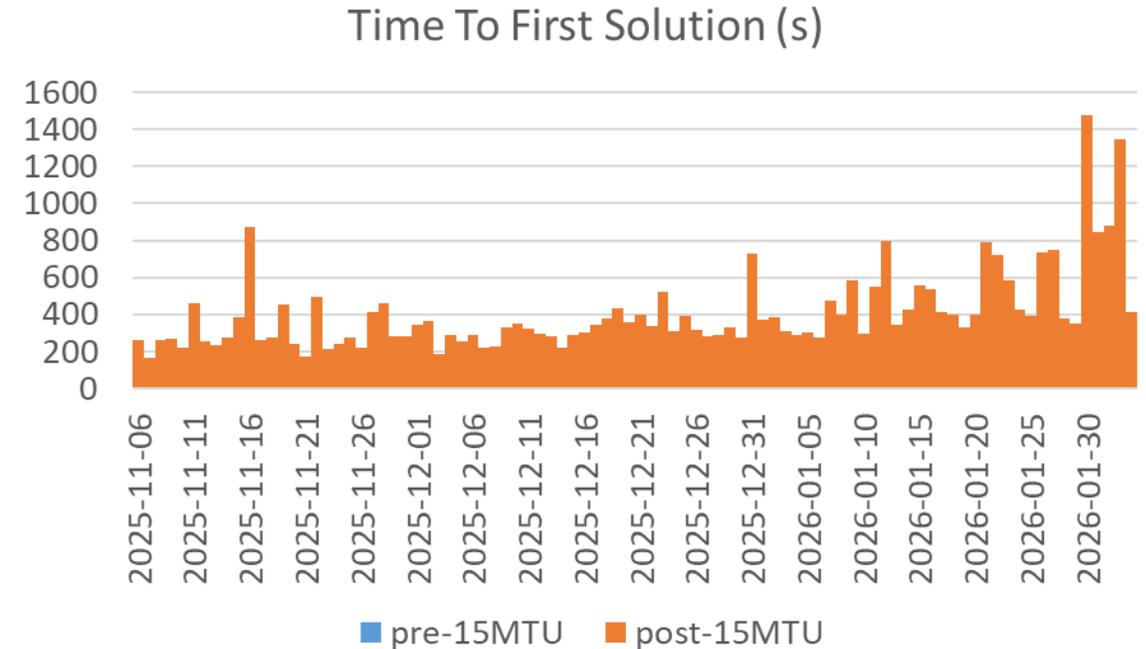
Regulatory Deliverables and Consultations

Chiara Vitelli, Christoforos Zoumas (NEMO Tech TF)

MCSC

❑ **NEMOs proposal:**

   ❑ On August 4th, the all-NEMOs' proposal for an updated Harmonised maximum and minimum clearing prices for single day-ahead coupling (HMMCP SDAC Methodology) and the Harmonised maximum and minimum clearing prices for single intraday coupling (HMMCP SIDC Methodology) were submitted to ACER.

   ❑ In the submitted Methodologies, NEMOs proposed a **liquidity metric (simplified with respect to the initial proposal), requesting the traded volumes per BZ/MTU in the auction to be greater than 5MW** in order to trigger any update of the Max/Min price limits. The same metric, for consistency reasons, is proposed both for SDAC and SIDC.

❑ **ACER decisions:**

   ❑ On February 4th, 2026 ACER issued the decisions number 02-2026 and 03-2026 on the harmonised maximum and minimum clearing prices for single day-ahead and intra-day coupling respectively.

   ❑ ACER **rejected the inclusion of the liquidity metrics** while **included specific provisions for excluding from triggering events those BZ in which** one NEMO Trading Hub becomes uncoupled while at least one other **is still coupled.**

❑ **ACER reasoning :**

- ❑ According to ACER, the **existing HMMCP methodology for SDAC/SIDC is already effective** in ensuring that the automatic adjustment of the clearing prices is not triggered by a single market participants bid, possibly related to mistakes or isolated events of price spikes.

- ❑ In ACER's view, further **extending the set of Triggering conditions, solely based on the minimum traded volume would, unnecessarily restrict an orderly and free price formation**, which is in principle to be pursued according to Article 3(b) of the Electricity Regulation and Articles 3(a) and 3(h) of the CACM Regulation.

- ❑ In ACER's view, **available cross-zonal capacities are reducing or completely removing the potential impact of limited liquidity in some of the bidding zones** and as such the available cross-zonal capacities are part of the free, fair and orderly price formation and reflect the market fundamentals, as required by Article 7(2)(d) of the Electricity Regulation. In this respect the fixed value of the new metric would effectively exclude certain auction results and, consequently, the cross-zonal capacities used to determine those results from being considered as potential triggering events, as required by the Electricity Regulation.

❑ **ACER reasoning :**

    ❑ ACER introduced an amendment to address the situation where **at least one NEMO Trading Hub becomes uncoupled while at least one other NEMO Trading Hub remains coupled within the same bidding zone** acknowledges that a decoupling event constitutes a procedural step within SDAC operations, arising from technical reasons, and therefore is entirely unrelated to market fundamentals or free price formation,

        ➤ the occurrence of such a procedural event is not in line with Article 7(2)(d) of the Electricity Regulation. Accordingly, ACER introduced amendments to Articles 4(1)(d) and 4(2)(d) of the Proposal for amendment **in order to exclude such event and bidding zone from the adjustment mechanism**.

❖ **Main change in the methodology**

The amendment, in article 4(1)(d) and 4(2)(d) introduces refined criteria on which bidding zones are considered for triggering events and **excludes**:

    ❑ virtual zones,

    ❑ uncoupled zones,

    ❑ and partially coupled zones with mixed NEMO Trading Hub status.
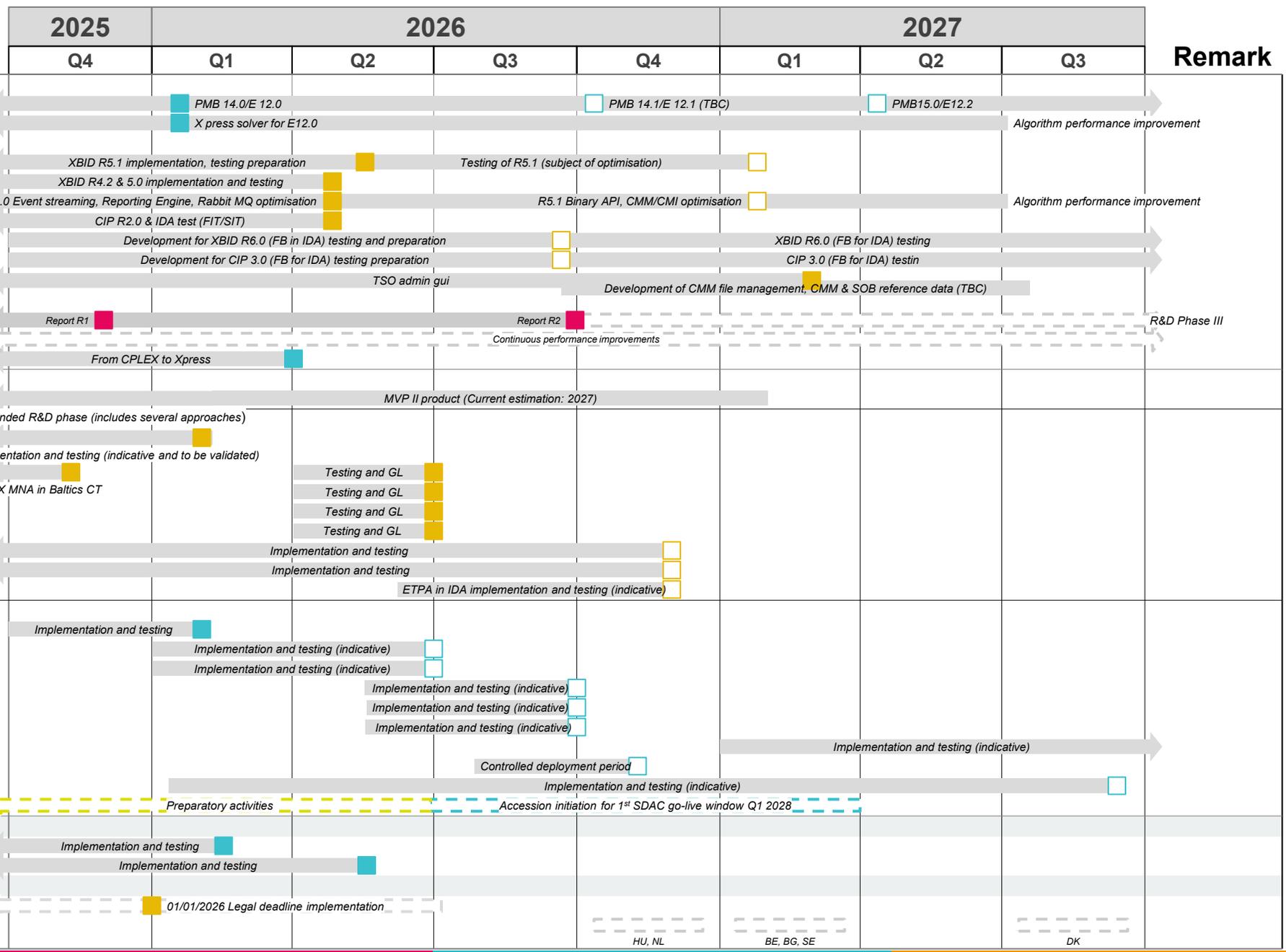
SDAC-SIDC Roadmap and Key Projects

André Estermann, Cosimo Campidoglio, Ondřej Máca (MCSC Co-Chairs)

David Myska, Lara Visone (SIDC MSD)

MCSC

SDAC-SIDC Roadmap and Key Projects

	2025	2026				2027			Remark
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	

Top priority

Euphemia/PMB
Euphemia & PMB releases — PMB 14.0/E 12.0 | PMB 14.1/E 12.1 (TBC) | PMB15.0/E12.2
X press solver for E12.0 — *Algorithm performance improvement*

Improvements & optimisation

SIDC
XBID releases — XBID R5.1 implementation, testing preparation | Testing of R5.1 (subject of optimisation)
XBID R4.2 & 5.0 implementation and testing
R5.0 Event streaming, Reporting Engine, Rabbit MQ optimisation | R5.1 Binary API, CMM/CMI optimisation | *Algorithm performance improvement*
CIP R2.0 & IDA test (FIT/SIT)
Development for XBID R6.0 (FB in IDA) testing and preparation | XBID R6.0 (FB for IDA) testing
Development for CIP 3.0 (FB for IDA) testing preparation | CIP 3.0 (FB for IDA) testin

Operational improvements SIDC & IDA — TSO admin gui | Development of CMM file management, CMM & SOB reference data (TBC)

SDAC R&D
Co-optimisation R&D — Report R1 | Report R2 | *R&D Phase III*
Continuous improvements and Euphemia Lab — *Continuous performance improvements*
Solver change — *From CPLEX to Xpress*

R&D

SIDC R&D
Flow-Based allocation in IDCT — *MVP II product (Current estimation: 2027)*

SIDC extensions and accessions
Hansa CCR Phase II — *Extended R&D phase (includes several approaches)*
Implementation and testing (indicative and to be validated)
EPEX Baltic IDAs/CT — *EPEX MNA in Baltics CT* | Testing and GL
NP Slovenia IDAs/CT — Testing and GL
CROPEX Slovenia IDAs/CT — Testing and GL
BSP Croatia IDAs/CT — Testing and GL
Baltic Cable extension of operations — *Implementation and testing*
Celtic Interconnector & SEM MNA — *Implementation and testing*
ETPA extension of operations — *ETPA in IDA implementation and testing (indicative)*

Extensions and accessions

SDAC extensions and accessions
EXAA FR, BE, NL extension — *Implementation and testing*
EPEX Baltic MNA — *Implementation and testing (indicative)*
NP extension into Slovenia — *Implementation and testing (indicative)*
CROPEX extension into Slovenia — *Implementation and testing (indicative)*
BSP extension into Croatia — *Implementation and testing (indicative)*
ETPA accession to DA in NL — *Implementation and testing (indicative)*
Celtic Interconnector & SEM — *Implementation and testing (indicative)*
LFTBA controlled deployment period — *Controlled deployment period*
CE CCR in DA — *Implementation and testing (indicative)*
EnC Accessions (SDAC) — *Preparatory activities* | *Accession initiation for 1st SDAC go-live window Q1 2028*

Regional requirement

SDAC Related
Hansa CCR Phase II — *Implementation and testing*
Core Advanced Hybrid Coupling — *Implementation and testing*

SIDC Related
30 IDCZGCT — *01/01/2026 Legal deadline implementation*
Local implementation — *HU, NL* | *BE, BG, SE* | *DK*

Legend:
- ■ Confirmed planning
- □ Indicative planning

Last update: 16/01

MCSC

SDAC-SIDC Roadmap and Key Projects

SDAC Co-Optimisation – Results of the Public Consultation & Updated Planning of the R1 and R2

Background

▸ Algorithm Methodology R1 report was approved and submitted to ACER in November 2025.

  ▸ The published report is available on NEMO Committee [LINK] and ENTSO-E [LINK] websites;

▸ Plan for R2 report preparation has been updated and shared with ACER at the beginning of January 2026 following the MCSC approval.

  ▸ As part of R2 report preparation, NEMOs and TSOs prepared data and prototype for the first simulation phase.

Updates and Points of Attention

▸ Phase 1 simulations were completed in February, and results will be reviewed by MCSC and ACER in a dedicated workshop in March (19/03).

▸ Phase 2 simulations shall be carried out in late spring and final simulations (for R2 milestone focus) in early summer.

▸ According to the current planning, draft version of the R2 material will be prepared by MCSC NEMOs and TSOs and reviewed with ACER in September.

▸ Further webinars / information session on the R&D progress and simulation results will be arranged for market participants in April and September

  ▸ More information to follow at a later stage.

Key takeaways: Co-optimisation R&D is progressing on track and in good co-operation with ACER and market participants

MCSC

SDAC Roadmap and Key Projects

Core AHC

Status Update

▸ CORE AHC tests are planned to start on 23/2, dependent on the successful execution of testing for the previous RfC, Hansa Phase II, due to technical constraints.

  ▸ Hansa phase II testing are ongoing and the go-live is planned on 17/03.

  ▸ Core AHC functional and procedural testing will be tested throughout March and April, followed by the go-live currently expected on 20/05.

▸ In order to safeguard the go-live of CORE AHC prior the summer of 2026, mitigation measures are being investigated by SDAC QARM in case the Hansa phase II tests are delayed.

  ▸ If mitigation measures are activated, these will impact the rest of 2026 planning.

Monitoring of Risks

▸ Hansa Phase II testing results and open issues are being reported every week to MCSC.

▸ PMB14.0/E12.0 go-live is a pre-requisite to Core AHC go-live (E12.0 must be implemented to safeguard Euphemia performance level in production for the implementation of Advanced Hybrid Coupling). PMB/Euphemia test planning is on track, with a go-live planned currently between mid-March and end of April. Testing results and open issues of E12.0 are also being monitored both at NEMOs level and SDAC level.

▸ Cross CCR Congestion Income Distribution is another RfC being a pre-requisite for Core AHC. It is planned to go-live in May. Progress is being monitored at SDAC level.

Key takeaways: The new go-live date of Core AHC is 20/05.

MCSC

SDAC-SIDC Roadmap and Key Projects
MNAs Going Live in 2026

Background

▸ Several regional extensions and accessions have been announced in both SIDC and SDAC, with the aim to go-live in Q2-Q3 of 2026.

	SDAC Aimed Go-Live	SIDC CT Aimed Go-Live	SIDC IDA Aimed Go-Live
EPEX extension to the Baltics	Q2	Went live in Q4 2025	Q2*
Nord Pool extension to Slovenia	Q2	Q2*	Q2*
BSP extension to Croatia	Q3	Q2*	Q2*
CROPEX extension to Slovenia	Q3	Q2*	Q2*
ETPA accession to DA	Q3	N/A	N/A

▸ Additionally, Nord Pool will become the operational NEMO in SEM via MNA in both SIDC and SDAC, however its timeline remains unconfirmed.

Updates and Points of Attention

▸ Both SDAC and SIDC QARM are in the process of reviewing progress inputs to clarify and optimize the planning regarding all upcoming MNA RfCs in 2026.

  ▸ In *SIDC, the EPEX Baltic IDA MNA and Nord Pool Slovenian MNA projects for both CT & IDAs are being confirmed, while clarification on other RfCs is ongoing. The scope shall be closed by March MCSC latest. The pending CRs shall go to W2-2026.

  ▸ In SDAC, All RfC owners that have initiated a regional extension are providing progress and readiness monitor files. SDAC QARM is working and reviewing those inputs to clarify and optimize the planning in Q2 and Q3 of 2026

Key takeaways: Several regional extensions and accessions have been announced in both SIDC and SDAC, with the aim to go-live in Q2-Q3 of 2026.

SDAC-SIDC Roadmap and Key Projects

Flow-Based in Intra-Day

Background

▸ DBAG executed a Proof of Concept for Flow-based (FB) implementation in continuous trading during Q2–Q4 2023, based on an initial design prepared by TSOs and NEMOs, exploring several options

  ▸ use of a solver → failed on performance

  ▸ use of the existing (path finding) algorithm → failed on performance and conceptual issues

▸ Considering the results of the Proof of concept and the follow up assessments it was decided to implement FB for IDA as an interim solution and to continue in R&D on flow-based complementation to the continuous allocation

▸ To enable a thorough and detailed discussion between ACER and SIDC on aspects of the FB implementation, a workshop between ACER and SIDC MSD/QARM was held in November 2024, and a second one took place recently in January.

▸ Flow-based support is considered one of the top priorities for SIDC by TSOs and NEMOs, as it ensures enhanced efficiency and accuracy in the allocation of capacities.

Key takeaways: Flow-based support for SIDC is a top priority, with FB implemented for IDAs as an interim step while R&D continues in aim to achieve full flow-based continuous allocation.

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SDAC-SIDC Roadmap and Key Projects

Flow-Based in Intra-Day (IDA)

Achieved Milestones and Next Steps

▸ Design phase - completed ✅

▸ Implementation phase - planned and started ✅

▸ Testing phase ☐

 ▸ Detailed realistic plan is prepared considering end of the testing activities in November 2027

  ▸ Go-Live preparation activities including member tests are still under consideration

  ▸ Some further planning optimizations may be introduced based on early tests results in Q4 2026

  ▸ Major challenges are identified in parallelization of releases delivery and testing where number of performance improvements are expected to be implemented and under testing in 2026

Key takeaways: TSOs and NEMOs continue to seek further optimization in test planning for FB in IDAs.

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SDAC-SIDC Roadmap and Key Projects

Flow-Based in Intra-Day (Continuous Allocation)

FB R&D CT Workstreams and their status

▶ Approach A: Solver based

  ▸ All topology data (RAM/PTDF + ATC) as constraints are used by a solver directly in the coupling-stage - the capacity calculation in XBID and allocations are based directly on these data.

  ▸ Status: First results using a standalone prototype are promising, still number of steps to be completed prior a new proof of concept can be performed with XBID (target 2029+)

▶ Approach D: Single matrix

  ▸ Coupling-stage works with a single "PTDF" matrix representing the topology of the entire coupled grid (replaces 2 PTDF matrixes of CORE and Nordic region + all ATC interconnectors). Geometric projections are used to eliminate variables when single "PTDF" matrix is created.

  ▸ Status: On hold

▶ Approach E: Dynamic ATC recalculation

  ▸ The coupling-stage works further with ATCs as today - this approach eliminates flow-based capacity allocation at the coupling stage. Frequent repetitive ATC extraction being newly part of the allocation stage is done as pre-processing of FB data.

  ▸ Status: Design description/CR is ready for discussion with DBAG, additional quantitative analysis ongoing.

Key takeaway: TSOs and NEMOs follow stepwise implementation of the improvements to the continuous allocation on basis of FB concepts.

MCSC

AOB & Closure

Max Schneider, Karol Nicia, Andreas Papanaklis (MCCG)

Closing Remarks & Further Information

The Q&A from the webinar will be available on the NEMO Committee and ENTSO-E websites. The links will be sent out via email.

The next meeting will be scheduled in Q2/Q3 2026 - details & date will be shared soon.

MCSC

Thank you for your participation!

Market Coupling Consultative Group

Webinar

04 March 2026

MCSC

Annex
Abbreviations

ACER	Agency for the Cooperation of Energy Regulators		MP	Market Participant
AM	Algorithm Methodology		MTU	Market Time Unit
BE	Balancing Energy		NEMO	Nominated Electricity Market Operator
BZ	Bidding Zone		NRA	National Regulatory Authority
CC	Capacity Calculation		OBK	Orderbook (context: Orderbook Depth)
CCR	Capacity Calculation Region		OPSCOM	Operations Committee (context: SDAC OPSCOM, SIDC OPSCOM)
CM	Corrective Measure		POM	Performance Optimisation Measure
CT	Continuous Trading (context: SIDC-CT)		QARM	Quality Assurance and Risk Management (context: SIDC QARM)
DACC	Day-Ahead Capacity Calculation		R&D	Research and Development
Go-live	The date when a new process/system becomes operational		RfC	Request for Change
HMMCP	Harmonised Maximum and Minimum Clearing Prices		SDAC	Single Day-Ahead Coupling
IDA	Intraday Auction		SIDC	Single Intraday Coupling
IDCC	Intraday Capacity Calculation		SLA	Service Level Agreement
IDCZGCT	Intraday Cross-Zonal Gate Closure Time		TF	Task Force (context: NEMO Tech TF)
IDGCT	Intraday Gate Closure Time		TSO	Transmission System Operator
LTS	Local Trading System		TTFS	Time To First Solution
MCCG	Market Coupling Consultative Group		WS	Workstream
MCSC	Market Coupling Steering Committee		XBID	Cross-Border Intraday (European intraday electricity trading platform)
MNA	Multi-NEMO Arrangement			