

Market Coupling Consultative Group

Webinar

2 June 2025

Q&A via **Slido.com**
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Agenda

	TOPIC	PRESENTER	TIME
1	Welcome & Introduction <ul style="list-style-type: none"> Welcome, Agenda and Action Points Review 	Zélie Gautier, Pierre Milon, Andreas Papanaklis (MCCG)	09:00 – 09:10 (10 min)
2	SDAC 15 Min Market Time Unit (MTU) <ul style="list-style-type: none"> Update on the SDAC 15 Min MTU Implementation SDAC Joint Member Testing SDAC Rollback Plan SDAC Corrective Measures Questions and Feedback from MPs 	Javier Sánchez Jiménez, Matej Godec, Benjamin Mossot (SDAC QARM) Timo Suhonen, Marja Eronen (SDAC MSD) Zélie Gautier, Pierre Milon, Andreas Papanaklis (MCCG)	09:10 – 10:10 (1 hr)
3	SDAC Fallback Improvements	Luiza Holban-Fediuc, Ole Knop (SDAC OPSCOM)	10:10 – 10:50 (40 min)
Coffee Break			10:50 – 11:00 (10 min)
4	SIDC 15 Min Market Time Unit (MTU) <ul style="list-style-type: none"> Update on the SIDC 15 Min MTU Implementation 	Chris Kleinpenning (SIDC OPSCOM 15ITP)	11:00 – 11:15 (15 min)
5	SIDC IDAs Liquidity Update	Chris Kleinpenning (SIDC OPSCOM 15ITP)	11:15 – 11:25 (10 min)
6	Implementation of 30 min IDCZGCT	Gergő Holló (30 min IDCZGCT SPoC)	12:25 – 12:35 (10 min)
7	Methodologies' Updates and Consultations <ul style="list-style-type: none"> SIDC Product Methodology SDAC/SIDC HMMCP Methodology 	Chiara Vitelli, Christoforos Zoumas (NEMO Tech TF)	11:35 – 11:50 (15 min)
8	SDAC-SIDC Roadmap and Key Projects <ul style="list-style-type: none"> SDAC Co-Optimisation 	André Estermann, Cosimo Campidoglio, Ondřej Máca (MCSC Co-Chairs) Timo Suhonen, Marja Eronen (SDAC MSD)	11:50 – 12:25 (35 min)
9	Closure	Zélie Gautier, Pierre Milon, Andreas Papanaklis (MCCG)	12:25 – 12:30 (5 min)

Welcome!

MCCG is led by three Co-conveners:

Market Participants Co-convener:
Zélie GAUTIER, ENGIE

TSO Co-convener:
Andreas PAPANAKLIS, IPTO / ADMIE

NEMO Co-convener:
Pierre MILON, EPEX SPOT

Scope of Discussion in MCCG

- The following 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 (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

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
14/02/2025	MCSC NEMOs and TSOs	Provide an updated timeline including the milestones for announcing the GO/NO-GO decision before the Joint MT and go-live GO/NO-GO decision before the go-live, as well as the publication of the Joint MT Communication package	March 2025 - Closed
14/02/2025	MPs	Inform MCSC NEMOs and TSOs about what additional information would they need in the Joint Member Testing Communication package	03/03/2025 - Closed
14/02/2025	MCSC NEMOs and TSOs	Provide more detailed information on the steps to run and test cases for all scenarios planned for the Joint Member Testing in the Communication package	March 2025 - Closed
14/02/2025	MCSC NEMOs	Come back with a reasoning behind selecting a strict (arithmetic) average of 15'MTU clearing prices for 60'/30' index	Q2 2025 MCCG

SDAC Operational Incident on 19 April 2025

- On **19/04/2025**, an incident in SDAC occurred, which led to the Message of Risk of Full Decoupling being sent to MPs.
- There were technical issues in a regional system providing inconsistent Network Data to SDAC algorithm. Therefore, the message of risk of full decoupling was sent at 13:50 CET.
- According to the SDAC procedures, if MC results are still not confirmed at 13:50, then it is standard that this message is sent out.

Incident Resolution

- Central cooperation managed to **solve the issue so that the final results could be published** at 14:08 CET. The issue which caused the incident in the regional system has been fixed since then.

SDAC 15 Min Market Time Unit (MTU)

Update on the SDAC 15 Min MTU Implementation

Javier Sánchez Jiménez, Matej Godec, Benjamin Mossot
SDAC QARM Conveners

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SDAC 15 Min Market Time Unit (MTU)

Go-Live Date & Preparation

Go Live on 30/09/2025

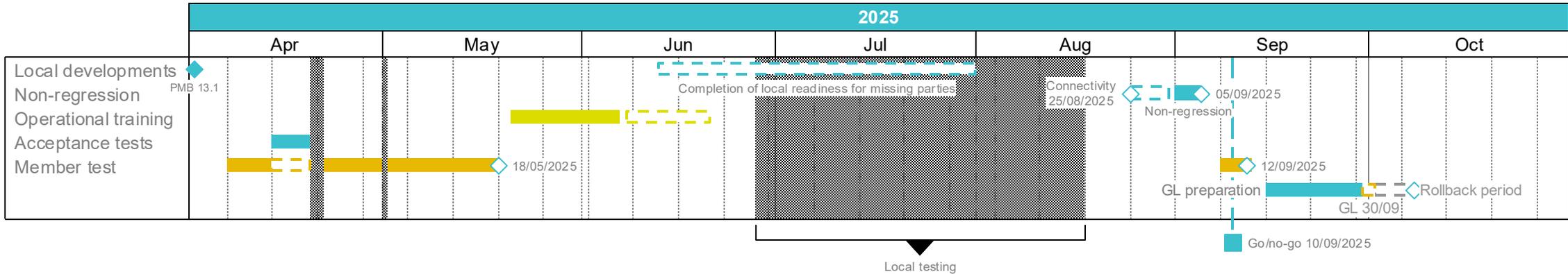
- On 14/05, MCSC NEMOs and TSOs have **confirmed** that the **SDAC 15 min MTU will go-live on 30/09/2025**, with the first delivery date on 01/10.
- The **final preparation phase** for the go-live has been ongoing since the end of Joint End-to-End Member test phase (15/05) and will last **until the go-live (30/09)**.
- During this preparation phase, **NEMOs will keep the individual trading system testing environment open** until the go live.

Feedback on the NEMOs/TSOs testing

- Ensuring a high-quality solution for the 15 min MTU go-live has remained the top priority of MCSC.
- After the several months of rigorous testing, **MCSC NEMOs and TSOs successfully closed all test phases from its initial test plan.**

SDAC 15 Min Market Time Unit (MTU) Implementation Update

SDAC 15 Min MTU Timeline



- NEMOs and TSOs have updated the test and implementation planning for 15 min MTU, adding:
 - **Additional operational training in Q2**, making constructive use of the remaining time to further enhance preparedness for fallback procedures and exceptional market situations
 - **‘Non-regression’ tests in September**, to validate that all systems are (still) ready to go-live
 - **Additional member tests in September**, enabling testing by Market Participants up to two weeks before the go live.
- The **two-week go-live preparation period** has been established to ensure that the final testing phases can be executed outside of deep holidays period. If strongly requested by market participants, this can be adjusted: Go-live preparation can be extended to 3 weeks if the additional member tests are moved one week earlier.

SDAC 15 Min Market Time Unit (MTU)

SDAC Joint Member Testing

Javier Sánchez Jiménez, Matej Godec, Benjamin Mossot

SDAC QARM Conveners

Zélie Gautier

MCCG MPs Convener

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Background and Objectives

- SDAC NEMOs and TSOs have organised joint member testing which took place on 07/04 – 15/05.
- The scenarios included in the testing were covering changes newly introduced by the 15' MTU implementation into the SDAC.
- Acknowledging the importance of transparency throughout this important phase of the project, and in line with MPs' request, **detailed reporting on member test progress, planning, and readiness towards go-live has been made available to all market participants on a regular basis** - Weekly reports are available on the [\[ENTSO-E\]](#) and [\[NEMO Committee\]](#) websites.

Key Takeaways

- **More than 300 market participants joined** the member tests.
- **All agreed tests were completed**, allowing market participants to test their systems in different market situations.

SDAC 15 Min Market Time Unit (MTU)

SDAC Rollback Plan

Javier Sánchez Jiménez, Matej Godec, Benjamin Mossot

SDAC QARM Conveners

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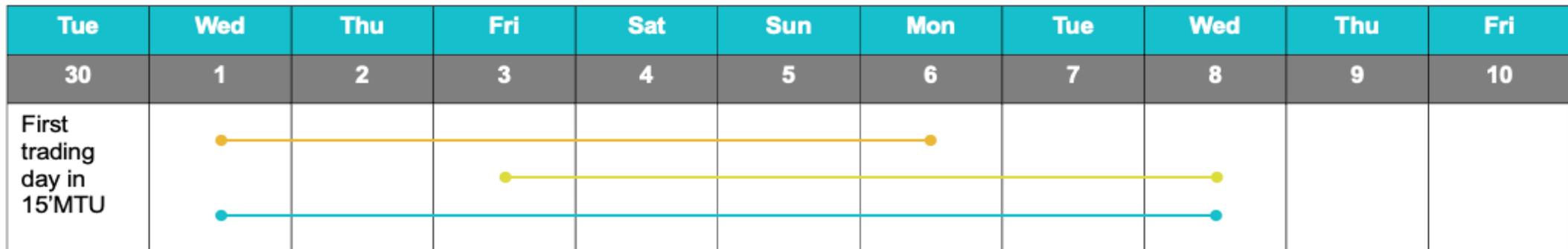
SDAC 15 Min Market Time Unit (MTU)

Rollback Plan

Points of Attention and Updates

- MCSC may activate the rollback in case 2 full/partial decoupling incidents occur during the rollback activation period. To decide if the rollback needs to be activated, MCSC will analyse if these incidents are related to the 15 min MTU and investigate how much time is required to fix the issue(s) at hand.
- MCSC agreed that the **rollback activation period ends on Monday 6th of October**.
- MCSC parties have committed to implementing the rollback within 2 calendar days. This means that the **latest day on which the 1st trading day in 60'MTU could fall is the 8th of October**.

Rollback Timeline



- Days on which the rollback can be activated by MCSC after the trading session during which the second incident occurred.
- Days on which the first trading day in 60'MTU could fall
- Days on which the parties could be implementing the rollback in their systems

SDAC 15 Min Market Time Unit (MTU)

SDAC Corrective Measures

Timo Suhonen, Marja Eronen
SDAC MSD Conveners

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SDAC 15 Min Market Time Unit (MTU)

Corrective Measures

- SDAC NEMOs and TSOs are working on the **corrective measures to handle performance issues experienced in production in the market coupling session**. These can be applied by either NEMOs or TSOs.
- In April 2025, MCSC approved the approach to have short-term and long-term corrective measures which are currently being designed by SDAC MSD experts.

Corrective measures for implementation in *short-term*

- Focus on 1-2 corrective measures, which are possible to implement in the short term.
- Expected to be in place by the time of the SDAC 15 Min MTU go-live.

Corrective measures for implementation in *long-term*

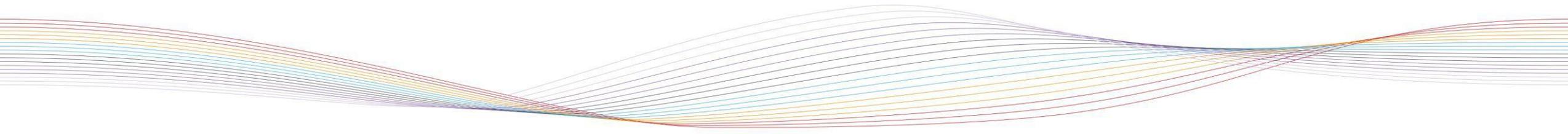
- Focus on expanding the list tailored to different situations.
- Expected to be in place after the time of the SDAC 15 Min MTU go-live.

Key takeaway: SDAC NEMOs and TSOs are working on the set of corrective measures envisioned for the implementation in short-term (before the SDAC 15 Min MTU GL) and long-term (in the future).

2 June 2025

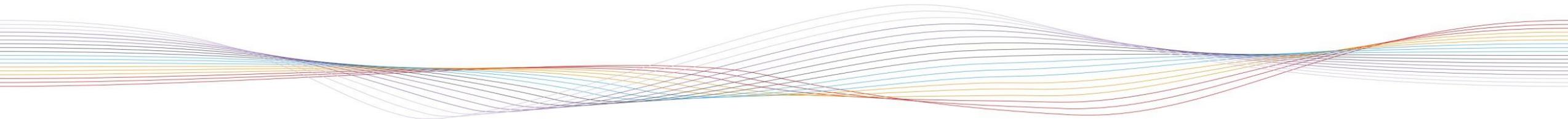
15 minutes: Our way forward

Market Coupling Consultative Group (MCCG)



SDAC 15 min MTU: Our way forward

- There is an urgent need for a revised roadmap detailing a clear and credible pathway towards the new go-live date.
- Market participants should be fully informed about both past and upcoming developments and test results (on NEMO and TSO side) to have visibility on the project's status.



SDAC Fallback Improvements

Luiza Holban-Fediuc, Ole Knop
SDAC OPSCOM Chairs

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Background and Objectives

- MCSC NEMOs and TSOs have been continuously working on the **set of measures aimed at mitigating the risks and consequences of decouplings**. The full set of measures under discussion can be found on the next slide.
- In the last 10/02 MESC meeting, market parties requested to be actively involved in the amendment of the SDAC fallback measures and timings, and to have additional information on the timing and processes assessment from TSOs and NEMOs.
- To address this request, MCSC experts have organized on **14/05 a dedicated workshop to discuss with MPs the measures under investigation**.
- The measures under investigation are intended for **implementation as of H2 2025**, starting with the publication of the SDAC Fallback Manual and Improved Messaging, with the rest coming up in 2026 and onwards.

List of Measures under Investigation

Measure	Primary Doer	Support needed from	Primary benefit
Early SDAC Order Book Gate Closure Time	NEMOs	TSOs, authorities	More time
Shadow Order Book “snapshot” is taken before the incident	NEMOs		Avoid decoupling
Enhanced backup processes in LTS	NEMOs		Avoid decoupling
Relaxing decoupling deadlines by shifting 15:30 nomination deadline	TSOs	Authorities	More time
SDAC Manual Fallback	NEMOs, TSOs		Improved process
Improved messaging	NEMOs, TSOs		Improved process
Replace shadow auctions by Intraday implicit allocation	TSOs	Authorities	Simplified process and better capacity allocation
Single clearing price in MNA per Bidding Zone	NEMOs, TSOs	Authorities	Single SDAC price per BZ
Cross-border nomination done by TSOs on behalf of the Shipping Agent	TSOs	Authorities	Simplified process

Legend:
 Avoid decoupling event
 Mitigate impact of decoupling event

Key Takeaways

- Great level of participation and a fruitful discussion.
- MPs expressed their **appreciation and support for the majority of the measures discussed**.
- Moreover, as an input for the next MCSC expert discussion, several suggestions for further feedback from both NEMOs and TSOs as well as MPs were shared
- The main **concerns** shared by MPs are related to the following measures
 - **Early SDAC OBK GCT** – No MPs’ support as it would reduce the market opportunities for MPs and impact all SDAC clearings, not only in case of an incident
 - **Replace shadow auctions by Intraday implicit allocation** - Potentially problematic due to its complexity and the concern about NEMOs’ resources being directed to opening an implicit auction instead of being fully focused on resolving the issue
 - **Shadow OBK “snapshot” is taken before the incident** - No MPs’ support if it means being obliged to submit bids at an earlier stage (soft deadline is fine)

The results of the workshop were used to finalize the MCSC NEMOs and TSOs’ assessment for discussion in the dedicated 23/05 PCG workshop organized by ACER.

Next Steps

- The feedback received will inform **further assessment ongoing in the SDAC OPSCOM expert group**.

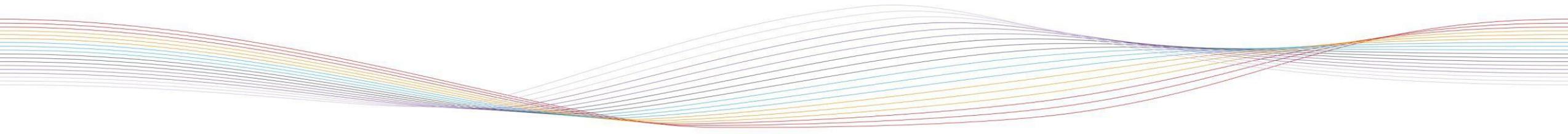
Background and Objectives

- On **19/11/2025**, SDAC OPSCOM experts have scheduled another **Market Participant testing on full decoupling events** with the objective to improve the processes and mitigate the impacts of decoupling events.
- The testing environments have been already reserved, more information will be shared via the individual NEMOs.
- Prior to the testing, MCSC will share with MPs the **SDAC Fallback Manual** (guidelines) - one of the decoupling mitigation measures currently under preparation by selected SDAC OPSCOM experts. This manual will help to **increase the transparency** on the decoupling process and **support MPs in preparing** in advance to cope with such complex situations.

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Fallback procedures: Our way forward

Market Coupling Consultative Group (MCCG)



Fallback procedures: our way forward

- We thank the NEMOs and TSOs for the workshop and for involving market participants. This format could be further pursued in the future.
- The additional time provided by the delay of the 15 minutes MTU implementation in SDAC should be used to implement robust and improved fallback procedures prior to the new go-live date.
- Market participants urgently need legal certainty and unambiguous information on the application of provisions of Article 7 regarding fallback procedures of the amended Electricity Regulation.
- We would appreciate further details on the implementation timeline for fallback improvements as we are concerned about the proposed lead times.

Preliminary feedback about MCSC fallback proposals

SDAC Fallback Manual	<ul style="list-style-type: none"> No-regret measures.
Enhanced backup processes in LTS	
Relaxing decoupling deadlines by shifting 15:30 nomination deadline	<ul style="list-style-type: none"> Proportionate measure which will only affect market coupling processes in case of critical incidents. Operational constraints should be justified.
Single clearing price in MNA per Bidding Zone	<ul style="list-style-type: none"> General proposal to achieve a single price per BZ is supported. Legal certainty about applicable procedures must be ensured before 15' MTU go-live. Further investigation required to achieve full legal certainty about the solution and to ensure representative market signals.
Shadow Order Book "snapshot" is taken before the incident	<ul style="list-style-type: none"> Proposal can help prevent decoupling for reason of missing order book and is therefore welcome Further investigation required to ensure that shadow order books are representative
Replace shadow auctions with implicit allocation	<ul style="list-style-type: none"> Strong scepticism about ability of intraday matching systems to cope with DA-volumes. ID markets do not offer complex orders and offer less clearing time.
Early SDAC Order Book Gate Closure Time	<ul style="list-style-type: none"> Disruptive proposal with high adaptation costs for MPs, NEMOs and TSOs. Impacts on <u>daily</u> optimisation processes and other market timeframes.

Market Coupling Consultative Group

Coffee Break

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SIDC 15 Min Market Time Unit (MTU)

Update on the SIDC 15 Min MTU Implementation

Chris Kleinpenning

SIDC OPSCOM 15ITP SPoC

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SIDC 15 Min Market Time Unit (MTU)

Update on the SIDC 15 Min MTU Implementation

Main Updates

- The implementation of the 15 Min MTU in SIDC is near its completion.
- On **18 March 2025, the latest go-live of Window 5 took place** with all remaining bidding zones and bidding zone borders, except the GR-BG border and Greek bidding zone. More information can be found in the press release on [[ENTSO-E](#)] and [[NEMO Committee](#)] websites
- The **main testing for the final Window 6 with the GR-BG border and Greek bidding zone is concluded**. Additional short testing will be organized in September 2025 prior to the **go-live aligned with SDAC 15 min MTU – 30/09/2025 (first delivery day 01/10)**. This is to ensure that the latest configuration is tested sufficiently.

SIDC 15 Min Market Time Unit (MTU)

Go-Live in CT & IDA Completed on 18/03/2025

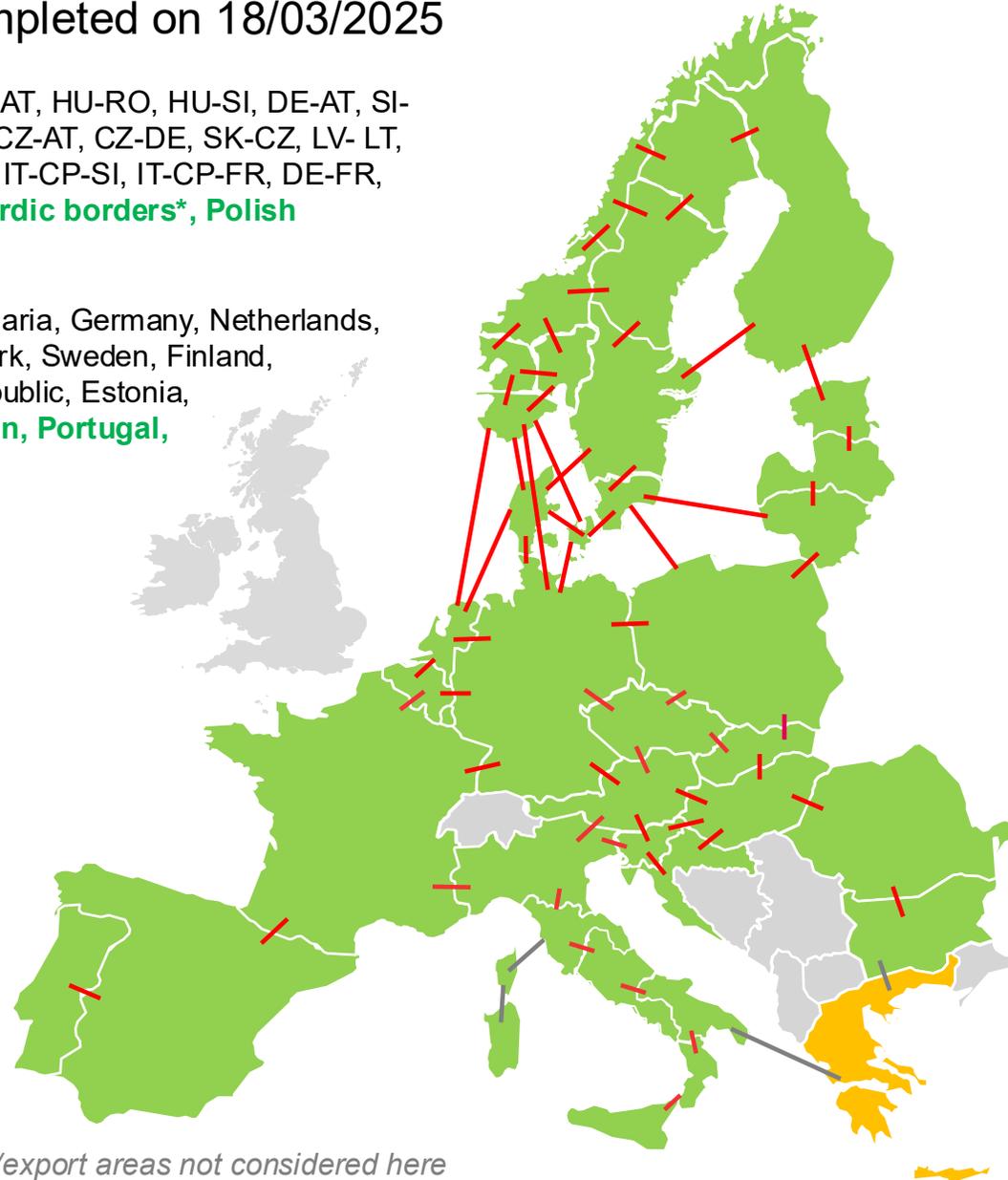
Borders: DE-BE, BE-NL, DE-NL, HU-AT, HU-RO, HU-SI, DE-AT, SI-AT, SK-HU, RO-BG, SI-HR, HR-HU, CZ-AT, CZ-DE, SK-CZ, LV-LT, EE-LV, IT internal borders, IT-CP-AT, IT-CP-SI, IT-CP-FR, DE-FR, FR-BE, EE-FI + **FR-ES***, **ES-PT***, **Nordic borders***, **Polish borders**

Bidding zones: Austria, Belgium, Bulgaria, Germany, Netherlands, Romania, Slovakia, Slovenia, Denmark, Sweden, Finland, Croatia, Hungary, Poland, Czech Republic, Estonia, Latvia, Lithuania, Italy, France + **Spain, Portugal, Norway**

* Except Estlink – On 15minMTU since 22/01/2025

- Border on 15 min MTU
- Border on 30 min MTU
- Border on 60 min MTU

- BZ on 15 min MTU
- BZ on 30 min MTU
- BZ on 60 min MTU
- Not part of SIDC coupling



note: import/export areas not considered here

SIDC 15 Min Market Time Unit (MTU)

Go-Live in CT & IDA Planned on 30/09/2025
(Aligned with SDAC)

All borders & bidding zones*

*IT-GR-GR & IT-SARD-IT CODC will remain at 60' MTU & OTU due to technical limitation of the HVDC cable.

- Border on 15 min MTU
- Border on 30 min MTU
- Border on 60 min MTU

- BZ on 15 min MTU
- BZ on 30 min MTU
- BZ on 60 min MTU
- Not part of SIDC coupling



note: import/export areas not considered here

SIDC IDAs Liquidity Update

Chris Kleinpenning

SIDC OPSCOM 15ITP SPoC

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SIDC IDAs Liquidity Update

Summary

Updates and Points of Attention

- Since the IDA Go-Live on 13/06/2024, almost a year in operation, 980 IDA auctions have been performed of which **965 sessions have been carried out satisfactorily**, publishing the results to the market participants on time, resulting in an **IDA availability rate of 98.47%** until 05/05/2025. Fifteen IDA sessions have been cancelled due to local/technical issues.
- Twenty-two partial decoupling cases (considering Automatic Partial decoupling (nine cases) and Partial Decoupling in advance (thirteen cases)) of various parties have taken place since the IDA go-live. From the beginning, each case is investigated by SIDC OPSCOM, and mitigating measures are applied either on the local level or centrally as a process improvement to increase the operational robustness.
- SIDC OPSCOM is continuously monitoring and analysing each incident to assure no reoccurring cases and implementation of process / procedural improvements (when applicable).

Published IDA Weekly Reports are available on ENTSO-E [\[LINK\]](#) & NEMO Committee [\[LINK\]](#) websites.

SIDC Intraday Auctions (IDAs)

Update on the IDAs Liquidity: MCSC

In nearly 1 year of operations, IDA market managed approximately 60 million MWh of energy – considering both supply and demand (with a total of 115 millions of cleared MWh).

	2024		2025	
	SIDC CT	SIDC IDA	SIDC CT	SIDC IDA
Jan	16.729.284,60	-	23.183.025	6.285.049
Feb	14.849.588,07	-	20.343.762	5.781.667
Mar	16.314.405,07	-	22.403.810	6.831.226
Apr	17.904.729,45	-	0	-
May	17.659.513,65	-	0	-
Jun	17.907.907,90	3.139.012,65	0	-
Jul	16.914.528,27	5.945.949,57	0	-
Aug	16.512.481,95	5.751.093,19	0	-
Sep	16.831.037,43	5.761.182,59	0	-
Oct	17.870.141,45	6.172.832,79	0	-
Nov	17.538.936,85	6.047.945,05	0	-
Dec	20.453.217,80	6.061.374,87	0	-

SIDC Intraday Auctions (IDAs)

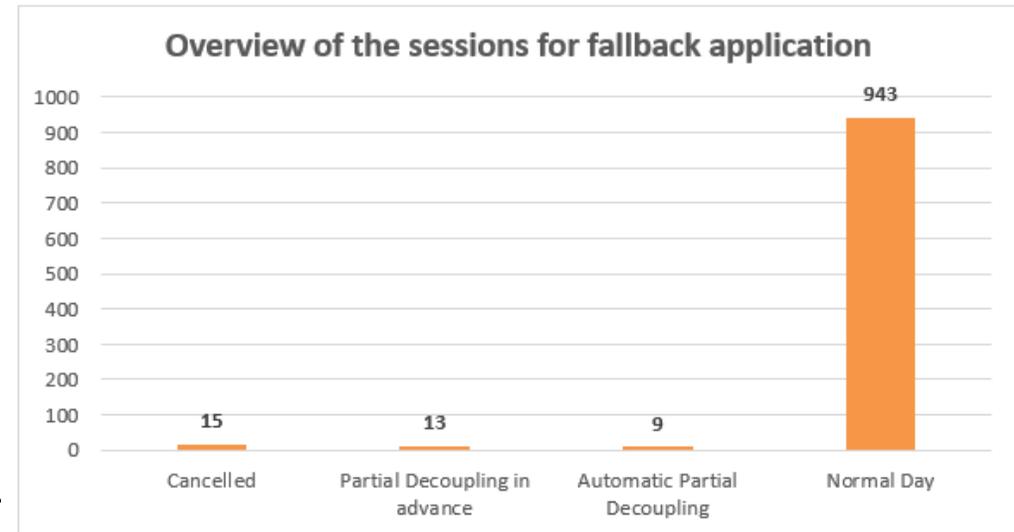
Update on the IDAs Liquidity: MCSC

Out of **980 sessions** run in the observed period (from the first delivery day of 14th of June to 5th of May), **37 of them were affected by fallback procedures:**

- 15 cancelled,
- 13 affected by Partial Decoupling in advance,
- 9 affected by APD (Automatic Partial Decoupling).

Which means that:

- IDA has been working **smoothly in the 98,47 %** of the times,
- In the 1,53% of the cases, no results were published at all;
- In the 2,25% of the cases, the results were available not for all parties (the case of partial decoupling in advance can involve even only one party (or BZ)).
- This represents an **improvement compared to the report shared in 08/11/2024 MCCG (below).**

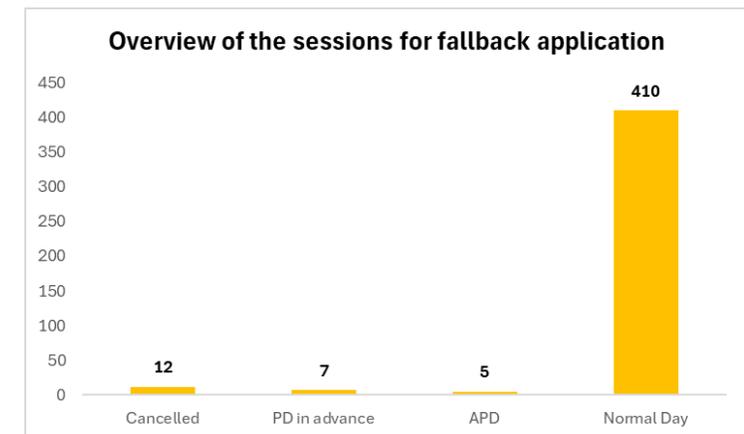


Out of **422 sessions** run in the observed period (from the first delivery day of 14th of June – to 31st of October), **24 of them were affected by fallback procedures:**

- 12 cancelled,
- 7 affected by Partial Decoupling in advance,
- 5 affected by APD (Automatic Partial Decoupling).

Which means that:

- IDA has been working **smoothly in the 97,16 %** of the times,
- in the 3% of the cases, no results were published at all;
- in the 3% of the cases, the results were available not for all parties (the case of partial decoupling in advance can involve even only one party (or BZ)).

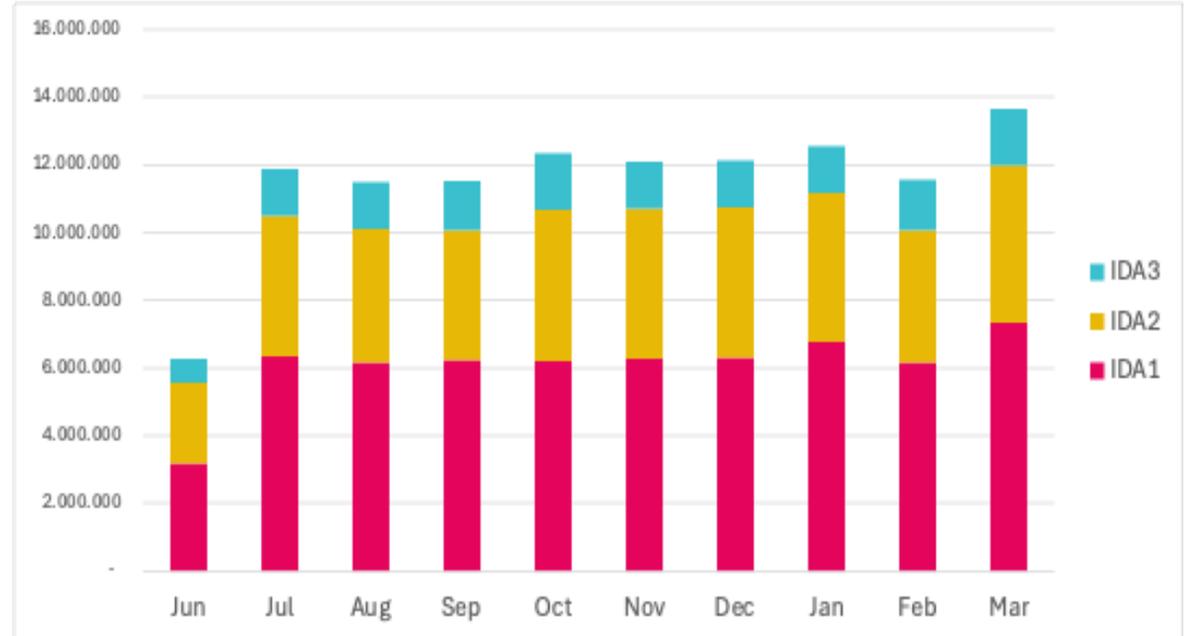


SIDC Intraday Auctions (IDAs)

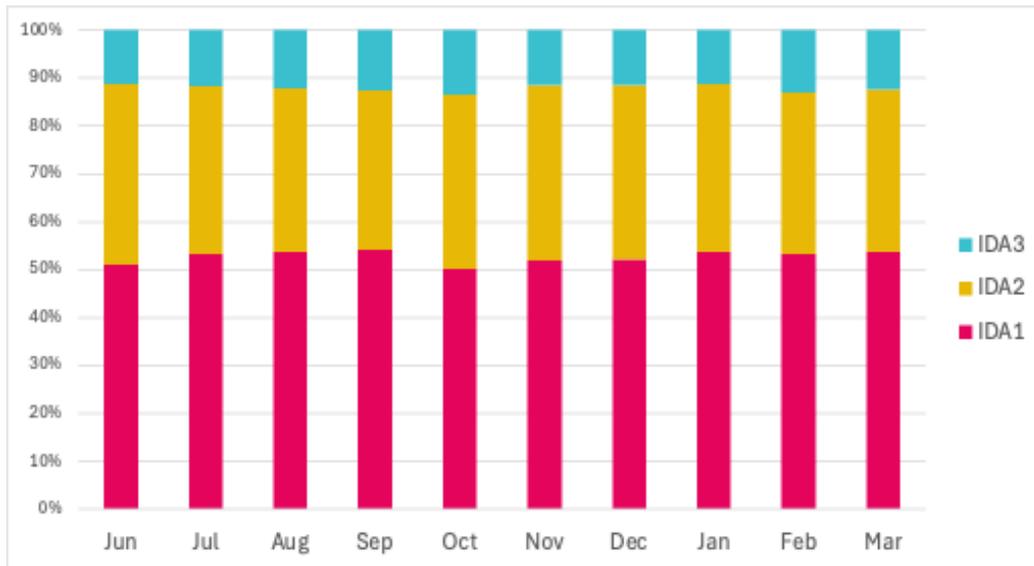
Update on the IDAs Liquidity: MCSC

Giving a closer look to the available data:

The cleared volume per month continues to slightly increase for each of the IDAs, with IDA 1 maintaining the majority of demand (having in mind that IDA3 manages contract for only half the day given that trading / delivery is only possible after 12 and until midnight) ...

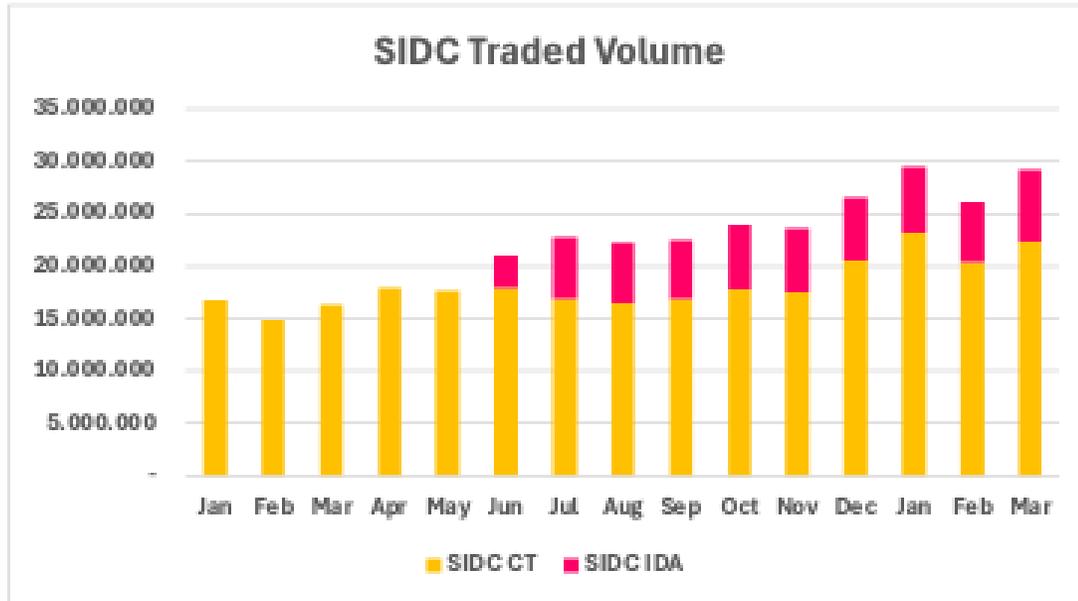


... While the shares among the 3 auctions for each month seem to be relatively stable since beginning.



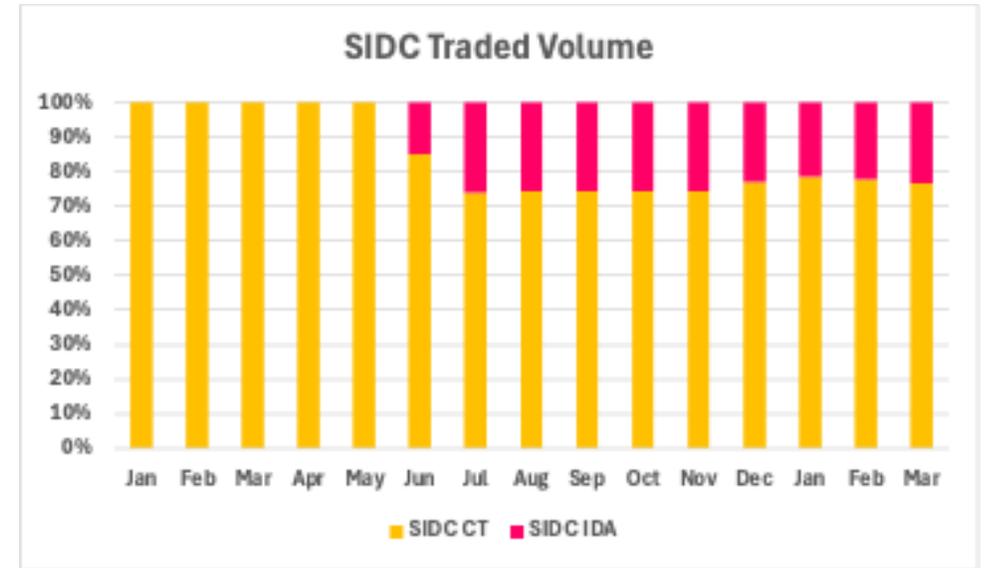
SIDC Intraday Auctions (IDAs)

Update on the IDAs Liquidity: MCSC



The overall traded volume(*) within SIDC (MWh) is growing.

The share of IDAs in the total traded energy in the Intraday market has been relatively similar.



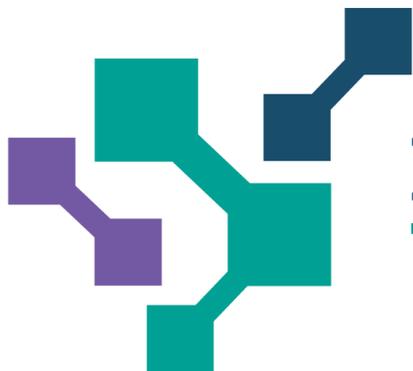
(*) For this comparison, the data are adapted to those already collected and provided via AM/SH reports. Differently than the previous slide, there's just one side of the market considered for that.

SIDC Intraday Auctions (IDAs)

Update on the IDAs Liquidity: MCSC

Conclusions:

- After the implementation of improvements related to the further optimization of times during the IDA session, as it can be observed in the data on the previous slides, **the measures applied have affected the IDA sessions in a positive way**, since after the evaluation and analysis of the data 7 months later, the number of cancelled IDAs and Automatic Partial Decoupling has changed insignificantly.
- Although the results are satisfactory, **the IDA market continues to be closely monitored to detect any potential operational improvements.**



MARKET COUPLING TSOs

Implementation of 30 Min IDCZGCT

Gergő Holló

30 Min IDCZGCT SPoC

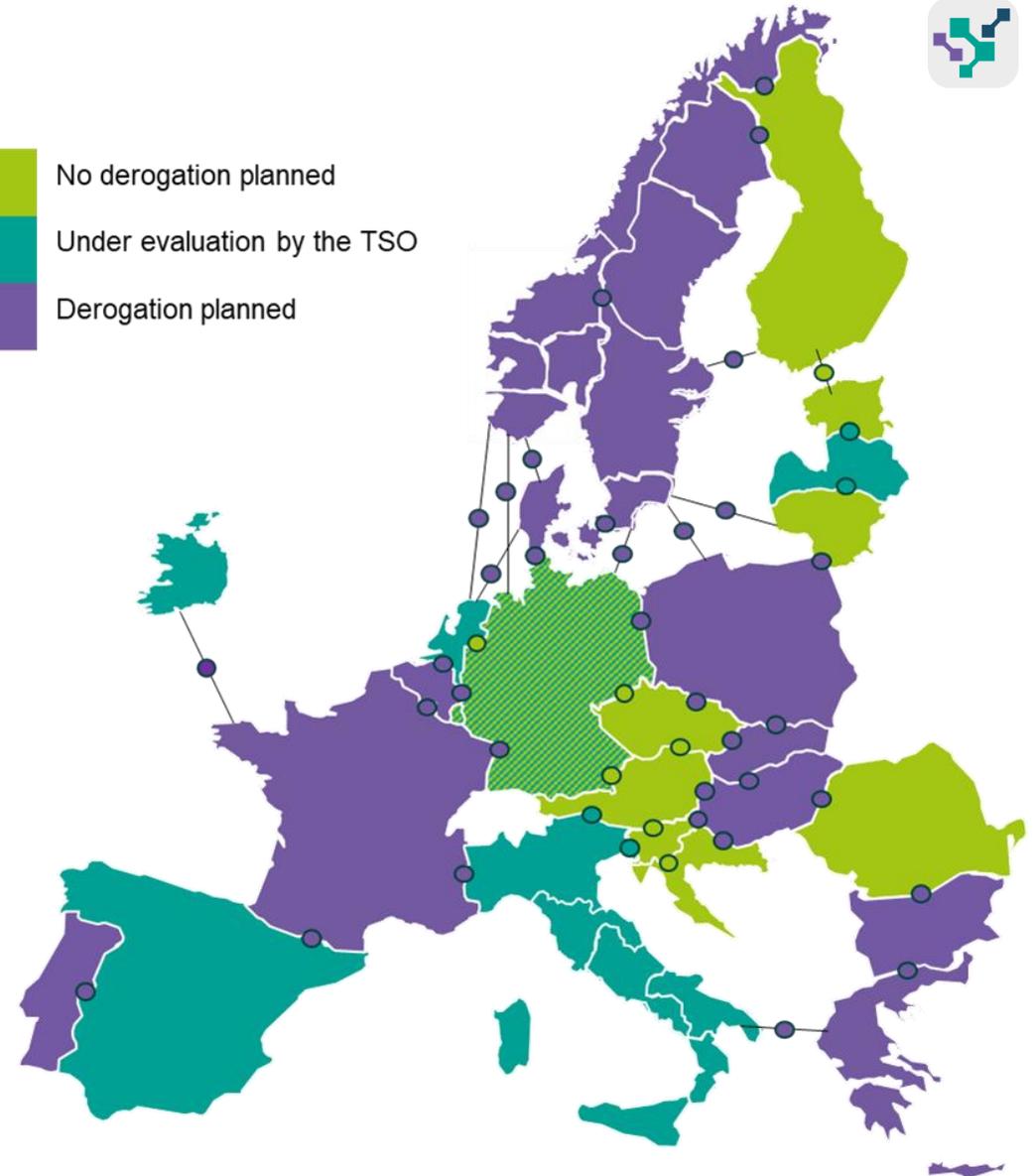
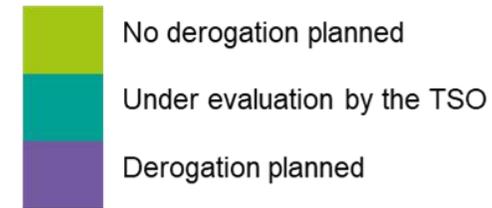
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Overview of Planned Derogations



- TSOs have **finalized the main design aspects**.
- **Development** work is mostly handled **locally**.
- This progress allows TSOs to move forward with derogation decisions.
- A **border-based overview will be published on the ENTSO-E website in early July**, with regular updates.
- TSOs in Central Europe, the Baltics, and Nordics aim to go live by January 2026.
- Most derogation requests will target a 2029 deadline, though some may seek shorter periods.
- Only the first and final go-live windows are fixed according to derogation requests and regulatory deadlines; intermediate go-lives will align with each party's technical readiness and the SIDC roadmap.



Consultations and Q&A

- TSOs collected the **planned consultation timings**
- **For further details, please contact your local TSO.**
- TSOs have started to prepare a **Q&A compiling common questions and answers from local consultations**. The Q&A will be updated and shared with MPs and MCCG participants.

Country	TSO	Planned date of market consultation
Austria	APG	Not applicable
Belgium	Elia	Start: 12th of May
Bulgaria	ESO	Q3
Croatia	HOPS	Not applicable
Czech Republic	CEPS	Not applicable
Denmark	Energinet	Closed
Estonia	Elering	Not applicable
Finland	Fingrid	Not applicable
France	RTE	May/June
Germany	50Hertz, Amprion, TenneT TSO GmBH, TransnetBW, Baltic Cable	Under assessment
Greece	IPTO	June
Hungary	MAVIR	June/July
Ireland	EirGrid	Under assessment
Italy	Terna	Under assessment
Latvia	AST	Under assessment
Lithuania	Litgrid	Not applicable
Luxemburg	Creos	Not applicable
Netherlands	TenneT TSO B.V.	Under assessment
Norway	Statnett	Under assessment
Poland	PSE	May/June
Portugal	REN	Start: 6th of May
Romania	Transelectrica	Not applicable
Slovakia	SEPS	May
Slovenia	ELES	Not applicable
Spain	REE	Under assessment
Sweden	Svenska Kraftnät	Closed



30 Min IDCZGCT Related Questions and Answers (Q&A) - Sample



Questions Already Received

- Q1: Can TSOs go live earlier than the derogation deadline?

A1: Yes. The derogation sets the *latest* allowed go-live date. Most TSOs aim to go live earlier if technically feasible. Please monitor local and central updates for the latest information.

- Q2: Is there a plan to reduce the IDCZGCT further (e.g. to 15 minutes)?

A2: While the regulation allows shorter IDCZGCT, TSOs plan to first gain experience with the 30 Min setup. At this time, no further reduction is planned in any country.



Methodologies' Updates and Consultations

SIDC Product Methodology

SDAC/SIDC HMMCP Methodology

Chiara Vitelli, Christoforos Zoumas

NEMO Tech TF Conveners

Q&A via [Slido.com](https://www.slido.com)
Enter code: **2044999**



SIDC Product Methodology Update

- ❑ The methodology has been decided upon by ACER with Decision No 03/2025 of 27 March 2025 on the nominated electricity market operators' proposal of the Methodology for products that can be taken into account by nominated electricity market operators in intraday coupling process, pursuant to Article 5(2)(b) of Regulation (EU) 2019/942 and Article 53(1) of Commission Regulation (EU) 2015/1222.
- ❑ The same provisions of ACER decision 13/2024 for SDAC PM are foreseen for IDAs: The 30' and 60' Curve Orders are renamed into Periods Orders and the 15' Curve Orders into MTU Orders, both are kept among the mandatory products. Other **terminology adaptations for SDAC PM are also introduced for the IDAs part in SIDC PM.**
- ❑ Besides any algorithmic compatibility and support for mandatory and optional products and order types, the actual selection of products and order types for the IDAs is also subject to the liquidity, price formation expectations for such markets and to the very tight time schedule of operating processes within the IDAs. For safeguarding sound operations and meaningful price formation and scheduling for the IDAs, NEMOs have selected (on an individual NEMO/NRA basis) some of the available products and order types at the 15 min go-live in IDAs.

SDAC/SIDC HMMCP Methodology Update

- ❑ Public Consultation on HMMCP Methodologies amendments has been run from February 24 up to March 24. Public webinar was held on March 12.

- ❑ The following **feedbacks** were collected :
 1. Four MPs: Eurelectric, Energy Traders Europe, EDF, RWE
 2. Shadow Opinion From ACER
 3. Feedback from TSOs

- ❑ NEMOs have **reviewed the feedbacks, and are discussing the proposal together with TSOs and ACER** in the JET-A.

- ❑ **Next step:** Once agreed on the way forward, NEMOs, in collaboration with TSOs, will prepare the final documents to be submitted to ACER.

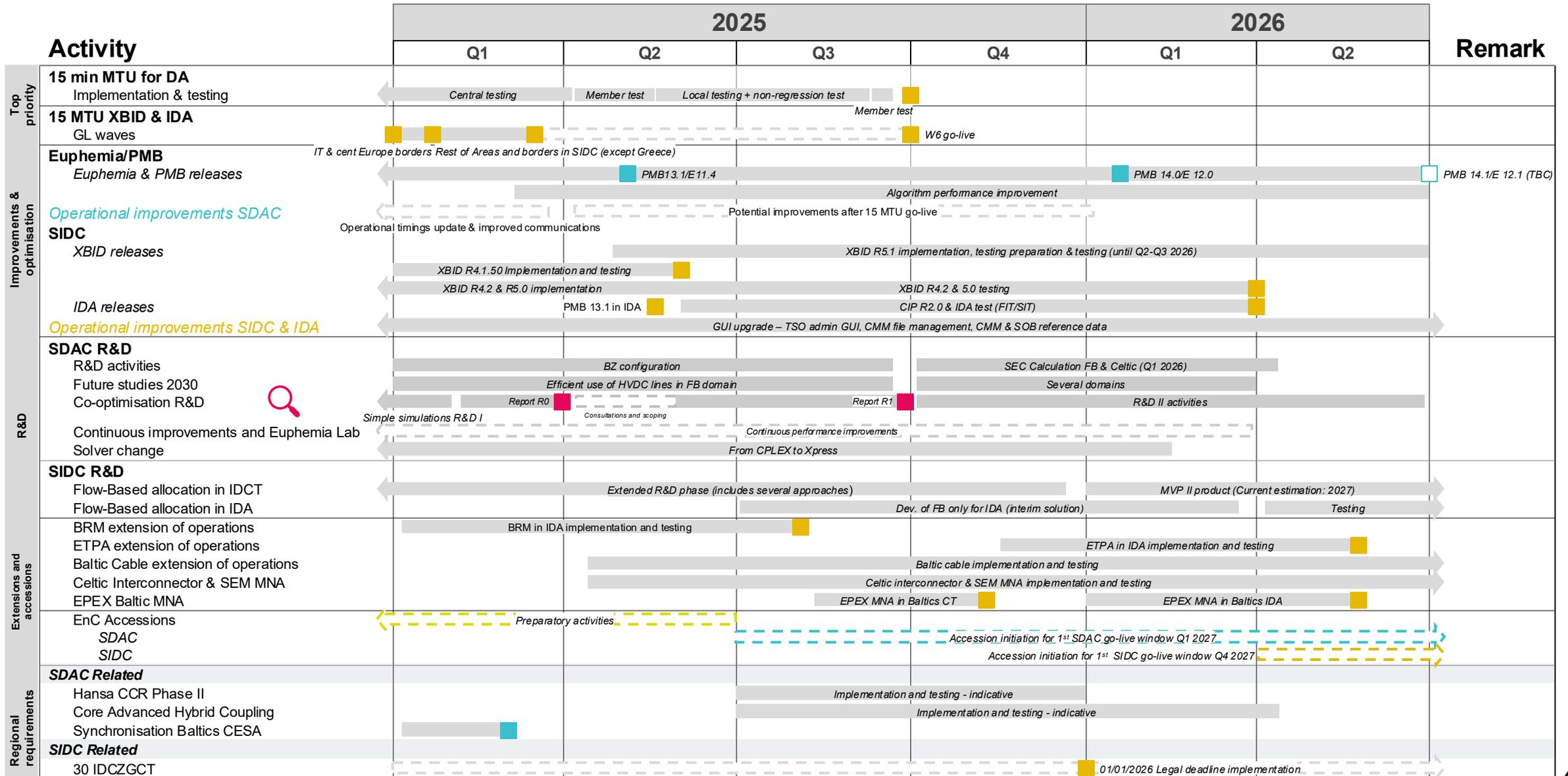
SDAC-SIDC Roadmap and Key Projects

André Estermann, Cosimo Campidoglio, Ondřej Máca
MCSC Chairs

Q&A via [Slido.com](https://www.slido.com)
Enter code: **2044999**



SDAC-SIDC Roadmap and Key Projects



SDAC-SIDC Roadmap and Key Projects

SDAC Co-optimisation

Timo Suhonen, Marja Eronen
SDAC MSD Conveners

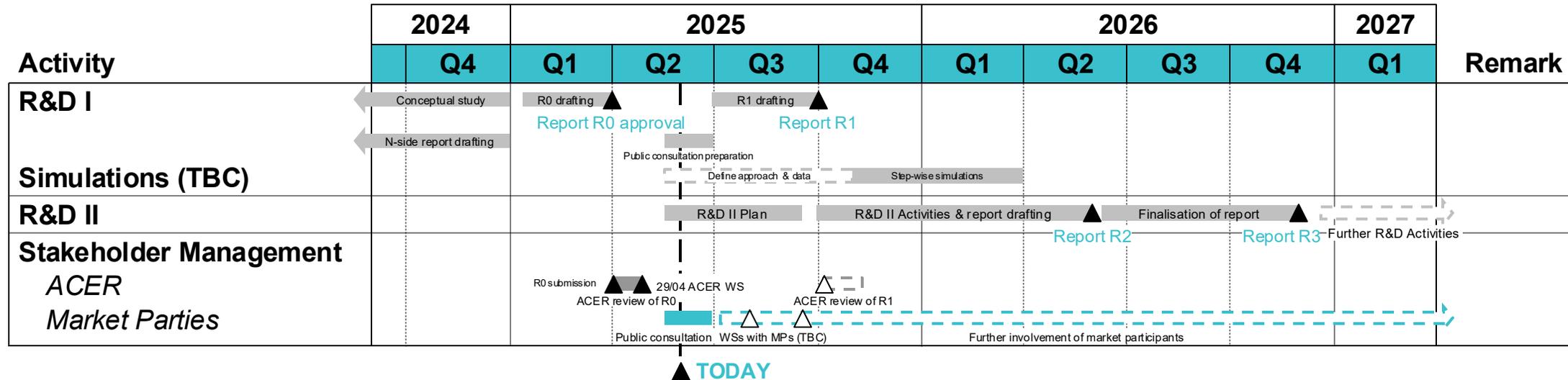
Q&A via [Slido.com](https://www.slido.com)
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SDAC-SIDC Roadmap and Key Projects

SDAC Co-optimisation

Roadmap



Update

- The R&D will be a **sequential effort** in the coming years and the presented R0 is the first report covering R&D on the bidding products, bidding formats and pricing. Other aspects will be addressed in subsequent reports as outlined in ACER’s decision.
- NEMOs and TSOs submitted the Co-optimisation R0 report on 04/04 and launched the **public consultation** on 19/05 **until 30/06**.

Key Takeaway: Co-optimisation design involves significant changes that will affect all market participants. NEMOs and TSOs will therefore appreciate responses and **feedback from MPs to the Public Consultation** [[LINK](#)] **by 30/06**.

Closure

Pierre Milon, Andreas Papanaklis

MCCG Conveners

Zélie Gautier

MCCG MPs Convener



Closing Remarks & Further Information

The minutes of the meeting 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 H2 2025 - details & date will be shared soon.

Market Coupling Consultative Group Webinar

THANK YOU FOR YOUR PARTICIPATION

2 June 2025

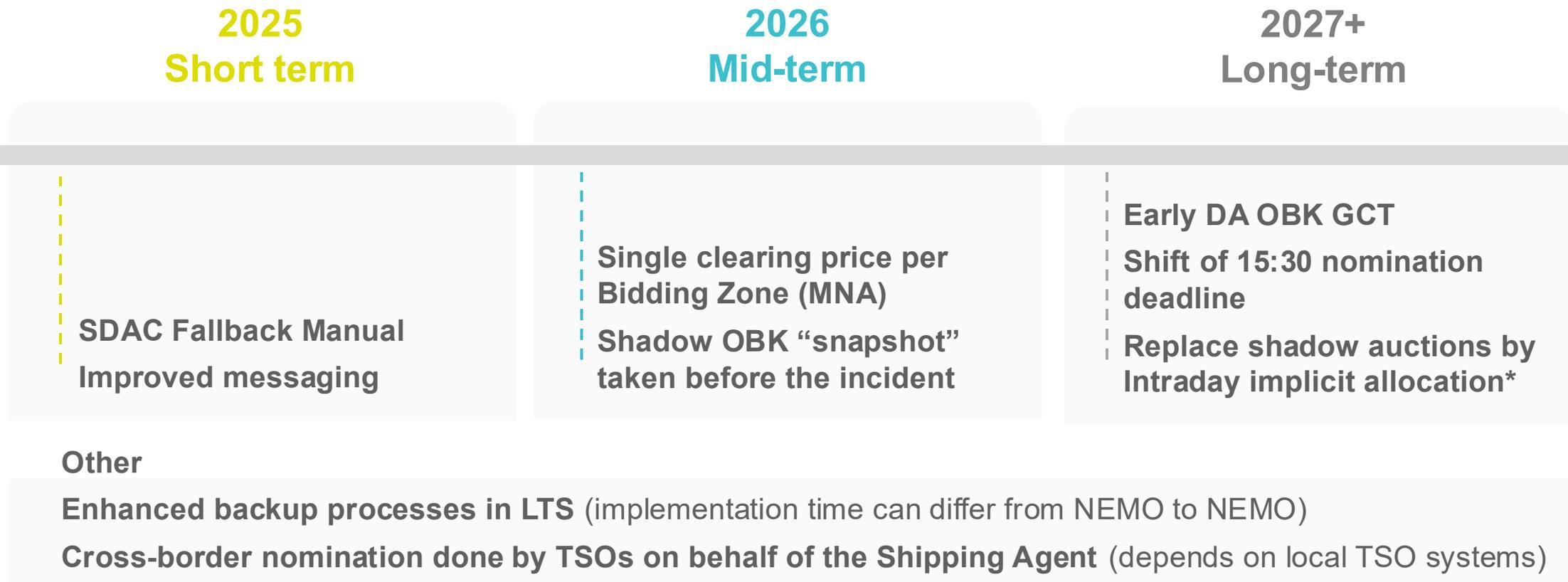


Annex

Current Discussion on the SDAC Fallback Improvement Measures per Measure from the Dedicated 23/05 PCG WS

Implementation Timeline

The measures under investigation are discussed along **several implementation stages**, with the **earliest measure being ready for implementation in H2 2025**.



Description of technical concept and feasibility

- Because fallback processes are so rarely applied, it is not always easy for Market Parties to be familiar with the process when an incident happens.
- Therefore, MCSC has identified a **fallback manual (with guidelines) for MPs to know what to expect if a certain decoupling scenario is triggered. Level of preparation will be greater.**
- This measure will help **increase the transparency** on the decoupling process and **support MPs in preparing** in advance to cope with such complex situations.
- The material should include at least the following:
 - Operational timeline for partial and full decoupling (including the slots dedicated to the update of order books).
 - Expected market messages for each type of decoupling.
 - Clarifications related to fallback allocation measures (Shadow Auctions or regional coupling) for each decoupling situation.

Implementation timeline

- This document is on the way and **will be published before the training on 19/11/2025 for market participant testing on full decoupling events.**

Measures that have been implemented

- A series of measures aimed at improving clarity and accuracy messages have been implemented by SDAC OPSCOM.
- In total, four measures have been put in place since November 2024.

Short-term planned improvements

- SDAC OPSCOM is working on a series of operational improvement measures aimed at improving process efficiency and faster communication. These measures focus on significant **changes to the process of communication between TSOs and NEMOs, where information will come from a single source.**
- These measures are **planned to be implemented in Q4 2025.**

Shadow OBK “Snapshot” Is Taken Before the Incident

Description of technical concept and feasibility

- To allow for the submission of orders even if one (or more) NEMOs experience a problem, NEMOs and TSOs are considering storing a **‘snapshot’ of NEMOs order books** before 12:00 (current order book gate closure time).
- The objective is to capitalize on the fact that the orders are received by NEMOs before an incident occurs.
- Limitations of the solution:
 - The **quality of the snapshot is key** in terms of liquidity. This solution can bring significant gains only if a significant portion of MPs is sending accurate bids well ahead of 12:00. Otherwise, coupling will be done based on partial order books, potentially leading to unusual prices.
 - Inaccurate backup bids may lead to significant imbalance and in default of financial security on MP level. Example of the accuracy of the current shadow auctions default bids shall be considered.
 - The presented solution is not helping in solving any critical situation: NEMOs need working trading systems when market results are received, and volumes are allocated.
- Interaction with market participants:
 - Is the snapshot to be taken by NEMOs based on bids received from MPs complemented by NEMOs themselves (missing orders, etc.)?
 - Shall MPs be obliged to submit orders before a hard deadline earlier than 12.00 (NO GO for members)?

Shadow OBK “Snapshot” Is Taken Before the Incident

Dependencies with other operational procedures

- ANDOA Procedures – description of the process would require further assessment (automatic sending to PMB or only uploaded in case of issues).

External regulatory dependencies

- Introduction of a potential obligation for members to submit orders at an early stage so that the snapshot taken by NEMOs is meaningful.

PROs

- Implicit coupling is safeguarded if the issue is related to OBK generation/sending and is discovered rather late.
- No need to urgently re-open the OBK in partial decoupling case.
- Anticipation of LTS/DB issues 1 hour before noon, therefore 1 additional hour to rollback LTS / DB / resolve issues in case OBK snapshot cannot be produced.

CONs

- Does not solve issues linked to the integration of market results and preliminary confirmation by the NEMO (transfer of risk from partial to full decoupling) which is very high if the LTS is down or not working properly.
- Liquidity of OBK submitted earlier than 12:00 needs to be considered (NEMOs have no control over the quality of the snapshot used). Inaccurate backup bids and/or default snapshot may lead to significant imbalance or default of financial security on MP level. Example of accuracy of current shadow auctions default bids shall be considered.

Description of technical concept and feasibility

- Local Trading System back-up and rollback processes are already up to high standards and auditable. However, **NEMOs are assessing measures to increase the resiliency of local trading systems even further.**
- Individual implementation (incl. the Recovery Time Objective (RTO) / Recovery Point Objective (RPO) definition) may differ, with LTSs consisting of individual assets using different technologies.
- This measure would include:
 - Failover capability between multiple local LTS instances within a single NEMO: NEMOs shall be able to switch between environments and instances at any time providing resilience against incidents that may occur prior or during daily SDAC processes. Orders are replicated across instances, so a failover can occur without data loss, ensuring continuity of service.
 - Structured LTS rollback process for individual NEMOs: In case of issues, an LTS shall quickly revert to its previous technical release (N-1), restoring the system to the state it was in prior to the deployment of a release/change. Orders submitted before the rollback shall not be impacted, they need to be persistently stored.

Dependencies with other operational procedures

- Detailed description of the rollback mechanism for each LTS release in the change control procedure.

External regulatory dependencies

- It would make sense to make back-up and rollback solutions part of NEMO requirements and auditable by National Regulatory Authorities (NRAs).

PROs

- Decreased failures due to LTS environment issues.
- Ensures robust new LTS release deployments.
- Decreased incidents due to the lack of the possibility to rollback quickly from one LTS release to another.

CONs

- Dependent on NEMO solutions.

Early DA OBK GCT (Currently Under NEMO Assessment)

Description of technical concept and feasibility

- The SDAC orderbook gate closure time (**OBK GCT**) is currently 12:00 CET. TSOs and NEMOs are evaluating the benefits of **moving this deadline earlier (30 mins maximum)**. This would allow for more time in the DA process.
- It is important to note that this would affect:
 - Procedures for IDA3 and XBID (continuous trading session between 10:20-23:00 on the delivery day).
 - The bid provision process for market parties, major impact on NEMO side while no major impact for TSOs.

Implementation timeline

- Expected as of January 2027, but dependent on the CACM 2.0.

Early DA OBK GCT (Currently Under NEMO Assessment)

Dependencies with other operational procedures

- TSOs timeline for publishing the CZCs (must be done well in advance of orders submission by MPs), potentially impact on shadow (explicit) auctions timeline.

External regulatory dependencies

- Amendment: CACM (Art. 47.2.), DAFD methodology, DA CCM to be checked by regions (e.g. publication of data in Core).
- Local NRA approvals on NEMO market rules (where relevant).

PROs

- This measure is targeting the less congested morning period on the TSO side where it is easier for them to find more time for the SDAC processes.
- If the change is less than 30 minutes, it might be realistic to implement for TSO and NEMO.

CONs

- Preventive measure happening every day, even without incident. It penalizes the timings of the Normal Day
- Long-term solution due to external dependencies.
- Less time for solving CZC related issues (further pre-alignment with CCRs needed).

Relaxing decoupling deadlines by shifting 15:30 Nomination Deadline (Currently under ENTSO-E assessment and not supported by all TSOs)

Description of technical concept and feasibility

- The intention of this measure would be to **postpone (only in case of incident) the final nomination deadline to a later point in time to provide more time to market coupling to solve a critical incident (decoupling risk)**
- A postponement **until** 16:00 could be possible according to some TSOs, without any mayor impacts.
- A postponement **after** 16:00 is impossible due to impacts on TSO-only pan-European processes.
- For some TSOs any postponement is not possible.
- Further alignment is expected prior to the PCG WS on decoupling mitigation measures.

Relaxing decoupling deadlines by shifting 15:30 Nomination Deadline (Currently under ENTSO-E assessment and not supported by all TSOs)

Dependencies with other operational procedures (ongoing on ENTSO-E level)

- Several TSO processes, e.g., DACF, CGM, ROSC, ISP (Integrated Scheduling Process for central dispatch TSOs).
- Joint processes, e.g., SDAC_FAL_01 and SDAC_FAL_02, ANDOA procedures, SIDC procedures for IDAs and potentially JAO Shadow Auction rules.

External regulatory dependencies

- Amendment: CACM

PROs

- Provides more time for solving issues and avoids most decoupling events. Decoupling deadlines relaxed.
- Delayed time would be applied only in case of risk of decoupling (otherwise, normal timing applies).
- IGMs and other processes are more accurate when based on results based on more robust market results.

CONs

- Having a high risk that the TSO processes can't be performed on time, which has a severe impact on the network security.

Replace Shadow Auctions by Intraday Implicit Allocation*

Description of technical concept and feasibility

- This measure is generally technically feasible; however, the TSO and NEMO assessment shows that there is complexity on the Intraday Implicit allocation replacement.
- Options regarding substituting DAM with IDA1 as well as timing issues are still under consideration.
- **Alternative options assessed:**
 1. In the case **where IDA1 with identical timing is considered as replacement**, several changes in procedure and regional implementation would be needed, such as:
 - Current deadline were IDA1 is cancelled in case of no SDAC should be removed.
 - The parallel process for SDAC/SIDC should be described and transposed in procedures for provision of capacity to IDA1.
 - Market participants bid provision procedure would need to be specified.
 - That would allow SDAC to run longer than the current full decoupling deadline:
 - If SDAC continues, IDA1 would be cancelled. In this case, all SIDC interconnectors are halted and manually reopened once TSOs have recalculated new ID capacities.
 - If SDAC result in (full) decoupling, IDA1 could be ready to run as a fallback, with current Shadow auction ATC.
 - Technically, this solution will still be compatible with IDA FB.

*excluding regions where shadow auctions are not in use, e.g. Nordic and Baltic

Replace Shadow Auctions by Intraday Implicit Allocation*

Description of technical concept and feasibility

- **Alternative options assessed:**
 2. In the case where **IDA2 is considered as a replacement**
 - At first sight, more time for DA process could be provided (still with the 15:30/16:00 DA nomination deadline in mind).
 - However, the following TSO impacts should be considered:
 - No SDAC results, no more shadow auctions, no coupling between NEMOs in the bidding zone.
 - Input for DACF file creation in continental Europe might be of really low quality.
 - The security analysis process in Continental Europe will be of low quality, leading to not efficient countertrading/RA applications during the afternoon processes (ROSC, IDCC process).
 3. In the case where a **delayed IDA1 is considered as replacement:**
 - As DACF process and ID CC start at 16:30, any delay of IDA1 will lead to same situation as relying only on IDA2 in Core region.

*excluding regions where shadow auctions are not in use, e.g. Nordic and Baltic

Replace Shadow Auctions by Intraday Implicit Allocation*

Description of technical concept and feasibility

- From an implementation timeline perspective, Hansa Fallback Methodology to replace SA by ID timeframe has been already initiated.
- For other regions, technical and regulatory planning could be from mid- to long-term, depending on the design choice (IDA1 as backup or another auction as backup).

Dependencies with other operational procedures

- Pan-EU:
 - SDAC Procedures and SIDC procedures
 - ANDOA Procedures
 - JAO Shadow Auctions Rules
- Regional
 - Joint Regional procedures and TSOs Regional procedures
- TSOs local procedures

External regulatory dependencies

- Regional Fallback Methodologies
- Local Multiple NEMO Arrangement (at least the MNAs in Core)
- Algorithm Methodology for IDA to be evaluated (in case of IDA1 cancellation if SDAC is saved)
- National "T&C BRP" adaptation in case the shadow auction is defined
- JAO Shadow Allocation Rules
- CACM Amendment could be needed in certain cases

*excluding regions where shadow auctions are not in use, e.g. Nordic and Baltic

Replace Shadow Auctions by Intraday Implicit Allocation*

PROs

- Simplification of operational messages, no need for MPs to receive operational messages from JAO for explicit auction.
- Efficiency of capacity allocation: the implicit process is seamless for MPs.
- More time for SDAC if IDA1 is considered as backup with decoupled capacity, as it would allow to postpone the Full decoupling deadline from 14:20 to 14:40 or 45 (see below).
- For Core CCR: Partial decoupling would be a simpler solution. As there are no more shadow auctions, "decoupling 6d" which implies using limited ATC capacity instead of FB.

CONs

- No direct gain of time (NEMOs still re-open order book due to drastic change of conditions), even if having explicitly IDA1 as fallback of full decoupling means a de facto postponement of DA nomination deadline to 16:00, which leaves more time for SDAC process (see first case IDA1 as replacement in technical analysis)
- Relevant for a regional or full decoupling, less relevant for decoupling of one single border or decoupling of several borders only. To clarify if shadow auctions can be kept in these specific cases or if decoupled BZs will use ID as backup.
- DA is using mostly the same technical systems as SDAC. It is therefore uncertain if IDA1 can run. IDA1 has little time, so high risk of IDA1 cancellation. Mitigation: it is a duplicated system (not the same), there is also different topology so the two systems can be made independent.
- Changes would be needed at TSOs and NEMO side for the implementation: TSOs should provide IDA1 "DA decoupling capacity" in advance + NEMOs should be able to receive IDA1 "decoupling bids" from MPs "in case of activation of IDA1 backup" in parallel or during the SDAC process.

Description of technical concept and feasibility

- Technical feasibility is proven, already in place in ID and for some TSOs in DA as well.
- There can be differences in how local TSO systems are designed, therefore implementation time requirement could be different.
- There are TSOs who perform shipping activities, this measure is not relevant for them - Not applicable for Nordic, as nominations are only used for settlements.
- Implementation time depends on local TSO systems and the development timelines, as well as regulatory framework adjustments in some cases. Once implemented, this measure can be an enduring solution.

Dependencies with other operational procedures

- The measure has impact on local and regional procedures.

External regulatory dependencies

- Local regulation is affected as there are countries where local regulation has to be changed to allow nomination on behalf (e.g., in Austria) which can also impact the timelines.

PROs

- Proven technical feasibility

CONs

- Limited gain from a process point of view
- Uncertain timeline due to external dependency and local specificities

Description of technical concept and feasibility

- MPs of the decoupled NEMOs should be able to participate in a local process consisting of a volume allocation, allowing them to have their orders executed at the SDAC price (computed by the NEMO(s) remaining coupled in the Bidding zone) and get some DA volumes within a Bidding Zone. That would **avoid a dual price, while ensuring that MPs could secure some executed DA positions**.
- NEMO's clearing and volume allocation systems need to be adapted in case of SDAC price usage for this volume allocation (execution of orders against the price). This concept covers the partial decoupling cases when SDAC algorithm is computing prices.
- This must foresee enough time in regional procedures for MPs to update, withdraw, or submit bids.
- **The principle of single SDAC price in a BZ is approved by NEMOs.** Based on TSO feedback, there is limited impact on TSOs, but the measure could be transparent if wisely implemented.
- A single clearing price is currently implemented in the Nordic-Baltic region thanks to the application of a specific regime (internal Nordic-Baltic coupling until 8pm, and if not successful followed by application of a Reference day – prices and volumes).

Single Clearing Price in MNA per Bidding Zone

Dependencies with other operational procedures

- Regional procedures: CORE Procedures, Nordic Procedures (FAL 02). Local procedures (TSOs, NEMOs ...)

External regulatory dependencies

- Amendment of: Regional and local regulation, Local MNAs, Regional fallback methodology and CACM.

PROs

- Ensures a single price per BZ, taking SDAC as a unique reference for all settlement
- MNA TSOs would have better quality DA results (incl. generation nominations) if the MPs / customers of the decoupled NEMO could at least exchange at SDAC price (as an important aspect for the security assessment and redispatching)
- Process is optional: Members can manage their orders to participate or not

CONs

- Full decoupling events requires other discussions
- SDAC price computed by a subset of the NEMOs / orders of the Bidding Zone