MESC
Update on SDAC & SIDC

10 February 2026

MCSC

PCG Update on SDAC & SIDC
Summary

Main takeaways

▸ SDAC Co-optimisation: Work is on track, Phase 2 simulations will give an indication for the co-optimised market feasibility.

▸ Flow-Based in IDAs: TSOs and NEMOs continue to seek further optimization in test planning for FB in IDAs and in R&D for FB in CT. This includes a possible stepwise implementation of the improvements.

▸ SIDC Corrective Measures: Next set of performance improvements will be delivered in XBID release 5.0 for which functional and regression testing was finished in line with the plan.

▸ 30-Minute IDCZGCT: The go-live of borders without planned derogations was successfully completed on 14/01, a press release on the event may be found on [ENTSO-E] website.

MCSC

MCSC Work Plan

Updates

‣ The MCSC Work Plan for 2026 aims to give to give a clear view of planned activities and key milestones.

‣ The document may be consulted in the [ENTSO-E] and [NEMO-Committee] websites.

SDAC-SIDC Roadmap and Key Projects
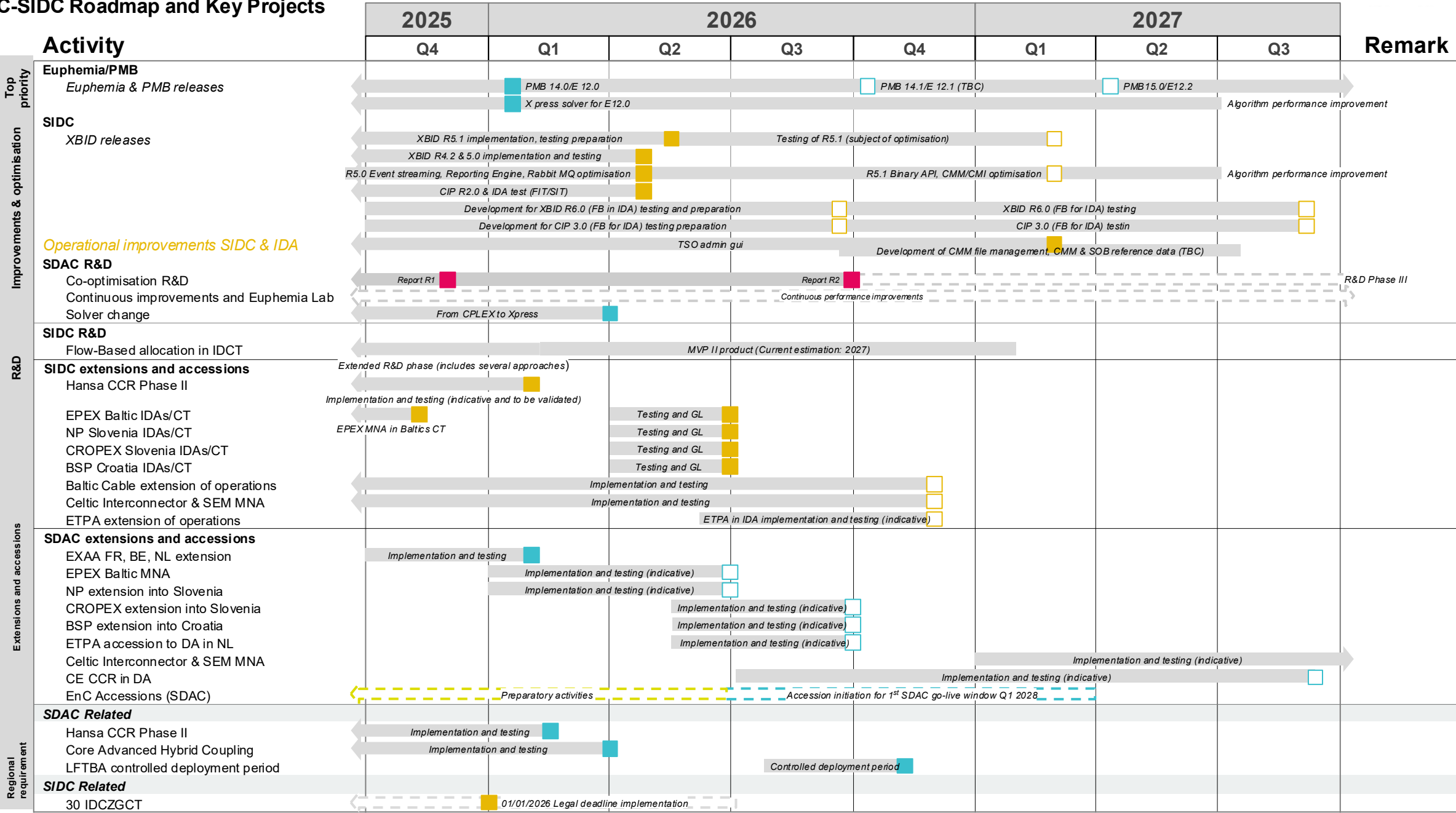
Recent Relevant Updates on SDAC Operational Incidents

Updates and Points of Attention

‣ Since December 2025, SDAC Operational parties **have experienced NO critical/major incident related to the DA market.**

SDAC

Recent Relevant Updates on SIDC Operational Incidents

Updates and Points of Attention

▸ Since 27/10, SIDC Operational parties have experienced **9 critical/major incidents related to the ID market**.

▸ The SIDC operational incidents included in this material are:

  ▸ 2025-11-01 IDA1 – **IDA Cancellation** due to incorrect capacity allocations in halted interconnectors.

  ▸ 2025-11-14 IDA1 – Automatic Partial Decoupling due to Order Book not gathered in time.

  ▸ 2025-11-25 IDA1 – Partial Decoupling in advance due to performance degradation and LTS disconnection.

  ▸ 2025-11-26 IDA1 – Partial Decoupling in advance due to planned maintenance.

  ▸ 2025-11-30 IDA1 – **IDA Cancellation** due to XBID downtime.

  ▸ 2025-12-10 IDA1 – **IDA Cancellation** due to input delays and IDA CIP downtime.

  ▸ 2025-12-10 IDA2 – Automatic Partial Decoupling due to Order Book not gathered in time.

  ▸ 2025-11-25 **Continuous Trading – Multiple Outages due to service provider maintenance**.

  ▸ 2025-12-02 **Continuous Trading – XBID outage affecting the SIDC Market**.

▸ **Published reports on the incidents can be found on the [ENTSO-E] and [NEMO Committee] websites.**

SIDC

Recent Relevant Updates on SIDC Operational Incidents

2025-11-01 IDA1 – IDA Cancellation Due To Incorrect Capacity Allocations In Halted Interconnectors

Updates and Points of Attention

▸ On **November 01, 2025**, an **IDA Cancellation occurred due to incorrect capacity allocations in halted interconnectors**, which resulted in full rejection of the IDA1 results and therefore cancellation of IDA1.

▸ **Relevant information about the issue:**

  ▸ **Issue Detected:** 31/10/2025 15:21, IDA coordinator, OMIE, triggers Incident Committee after XBID CMM replies with an ErrorResponse (request rejection) to IDA allocation request.

  ▸ **Root Cause:** "High Default ATC and Ramping" parameter enabled on some Terna interconnectors. The allocation request sent from CIP to XBID CMM has been rejected since these interconnectors were on Service Halt on XBID.

  ▸ **Mitigation Measures:** Terna will no longer place interconnectors in 'Service Halt' and will request to set the parameter "High Default ATC and Ramping" to 'No' for the interconnectors.

▸ **Resolution:** IDA1 was cancelled, remaining IDAs for 01/11/2025 were not affected.

SIDC

Recent Relevant Updates on SIDC Operational Incidents
2025-11-30 IDA1 – IDA Cancellation Due To XBID Downtime

Updates and Points of Attention

‣ On **November 30, 2025**, IDA1 has been cancelled due to Cancellation because of earlier XBID downtime, which prevented the calculation of required input data for IDA1.

‣ **Relevant information about the issue:**

‣ **Issue Detected:** 29/11/2025 around 13:30 all XBID system had unexpected downtime including not working access to its modules.

‣ **Root Cause**: Incorrect network settings prompted by the Disaster Recovery Test which took place on 29/11.

‣ **Mitigation Measures**: Based on the discovered root cause, the maintenance process (Playbook) was updated to prevent similar issues in the future.

‣ **Resolution**: Problem was resolved, trading resumed at 14:55 and no impact on IDA2 or further IDAs expected.

SIDC

Recent Relevant Updates on SIDC Operational Incidents

2025-12-10 IDA1 – IDA Cancellation Due To Input Delays and IDA CIP Downtime

Updates and Points of Attention

‣On **December 10, 2025**, IDA1 was cancelled due to two independent issues: delays in mandatory REE subprocesses prevented OMIE from providing OBKs, triggering automatic partial decoupling. Subsequently, an infrastructure failure made the IDA CIP application unavailable, blocking capacity allocation in CMM and forcing cancellation at the CZC allocation deadline.

‣**Relevant information about the issue:**

  ‣**Issue Detected:** 09/12/2025 14:57 OMIE informed the IDA coordinator about REE's delay in finalizing mandatory subprocesses for OMIE's participation, which prevented OMIE to provide OBK for IDA1.

  ‣**Root Cause**: Delay of REE execution of subprocesses that are mandatory for OMIE's participation in IDA1 and an IDA CIP infrastructure issue.

  ‣**Mitigation Measures**: Mitigation actions include requesting the IDA CIP service provider to analyse and reduce the risk of CIP unavailability during sessions, and updating the IDA process within the SIDC project to prevent a single TSO's local issue from impacting multiple delivery areas.

‣**Resolution**: IDA CIP web GUI accessibility has been stabilized around 8 p.m., and worked correctly for IDA2.

SIDC

Recent Relevant Updates on SIDC Operational Incidents
Critical Incidents Affecting IDCT from 25/11/2025 to 29/11/2025

Updates and Points of Attention

▸ Between **25 and 29 November 2025, multiple outages affected the XBID platform**, leading to interruptions of the Single Intraday Coupling (SIDC) / Intra-Day Continuous Trading (IDCT) market.

▸ **Relevant information about the issue:**

  ▸ **Issue Detected:** Several NEMOs experienced disconnections from XBID applications, resulting in repeated temporary suspensions of intraday trading, including a major interruption on 29/11 and the cancellation of IDA1 DD 30/11/2025.

  ▸ **Root cause:** The incidents were caused by Disaster Recovery Site testing and related preparatory maintenance activities, including network changes and configuration decisions that unexpectedly disrupted connectivity between data centres.

  ▸ **Mitigating measures:**

    ▸ **Short term:** The XBID service provider restored system connectivity following Incident Committee coordination, with markets reopened after confirmation of access from all NEMOs.

    ▸ **Long term:** Future maintenance and testing activities will be executed only during market halts, playbooks have been updated to address DR test risks, and enhanced risk assessments have been requested to prevent recurrence; incidents were not related to system load or performance.

SIDC

Recent Relevant Updates on SIDC Operational Incidents
2025-12-02 SIDC CT Incident

Updates and Points of Attention

▸ On **02 December 2025**, **the XBID system experienced a critical outage** lasting approximately 1 hour and 10 minutes, from 00:50 to 02:00 CET, temporarily **affecting the availability of the Single Intraday Coupling (SIDC) market**.

▸ **Relevant information about the issue:**

　▸ **Issue Detected:** The incident was detected when several XBID modules became unavailable, preventing market participants from accessing intraday trading services and leading to a temporary suspension of continuous intraday trading. An Incident Committee was promptly convened, and the XBID service provider initiated corrective actions to restore system functionality.

　▸ **Root cause:** The root cause was identified as a full file system in the XBID core infrastructure, which caused the system to halt when further data writing was no longer possible. The issue was compounded by an incorrect monitoring configuration, which failed to trigger automated alerts. The incident was not related to system load or performance limitations.

　▸ **Mitigating measures:** The issue was resolved by the service provider, and full system access was confirmed by all parties prior to the coordinated reopening of the market. As a preventive measure, monitoring and alerting mechanisms have been corrected to ensure early detection of similar infrastructure issues in the future.

SIDC

Recent Relevant Updates on SIDC Operational Incidents

2025-11-14 IDA1 – Automatic Partial Decoupling Due To Order Book Not Gathered In Time

Updates and Points of Attention

▸ On **November 14, 2025**, an **Automatic Partial Decoupling due to Order Book not gathered in time**, resulting in decoupling of impacted markets for IDA1 auction.

▸ **Relevant information about the issue:**

   ▸ **Issue Detected:** 13:11/2025 15:07 IDA coordinator (OPCOM), triggers Incident Committee after confirming Order book delay with OMIE.

   ▸ **Root Cause:** Performance issues on the verification of the orders received in OMIE system.

   ▸ **Mitigation Measures:** The performance of validations is continuously monitored to avoid any process to be delayed.

▸ **Resolution:** Automatic Partial Decoupling for affected parties.

Recent Relevant Updates on SIDC Operational Incidents

2025-11-25 IDA1 – Partial Decoupling In Advance Due To Performance Degradation and LTS Disconnection

Updates and Points of Attention

▸ On **November 25, 2025**, a **Partial Decoupling in advance due to performance degradation** and LTS disconnection experienced by OMIE.

▸ **Relevant information about the issue:**

   ▸ **Issue Detected:** 25/11/2025. 13:10, OMIE observed XBID disconnections and delays and escalated existing ticket SMXBID-5778.

   ▸ **Root Cause:** DBAG attributes this to heavy load and system operating outside limits. They proposed to omit RCA and re-assess in case of re-occurrence.

   ▸ **Mitigation Measures:** OMIE partial decoupling in advance.

▸ **Resolution:** Issue was resolved later on the same day and situation is being monitored.

SIDC

Recent Relevant Updates on SIDC Operational Incidents
2025-11-26 IDA1 – Partial Decoupling In Advance Due To Planned Maintenance

Updates and Points of Attention

▶ On **November 26, 2025**, a **Partial Decoupling in advance due to planned maintenance** at OTE.

▶ **Relevant information about the issue:**

  ▶ **Issue Detected:** At 15:27 OTE sent an email and informed OPCOM, as IDA Coordinator, that they need to be decoupled in advance from IDA2 due to the planned maintenance on the OTE system.

  ▶ **Root Cause:** Planned maintenance of LTS.

  ▶ **Mitigation Measures:** Partial decoupling in advance of IDA2.

▶ **Resolution:** Normal function resumed after maintenance activities.

SIDC

Recent Relevant Updates on SIDC Operational Incidents

2025-12-10 IDA2 – Automatic Partial Decoupling Due to Order Book Not Gathered In Time

Updates and Points of Attention

▸On **December 09, 2025**, during the IDA2 session for DD20251210, OTE was unable to provide OBKs because of an issue with the financial security module in OTE LTS that occurred after the deadline for PD in advance. This led to an automatic partial decoupling.

▸**Relevant information about the issue:**

▸**Issue Detected:** 09/12/2025 22:02 OTE noticed that they have problems with the preparation of the order book for IDA2 DD20251210 because of an issue in the financial security module of the local trading system.

▸**Root Cause**: Issue with OBK from OTE occurred after the deadline for partial decoupling in advance.

▸**Mitigation Measures**: OTE already performed updates of the financial security module in LTS to mitigate the risk that issue will occur again.

▸**Resolution**: IDA2 automatic partial decoupling for all borders except Italian, Greek and Spanish.

SDAC

Main Bulletins – SDAC Status Updates
SDAC Fallback Improvement Measures
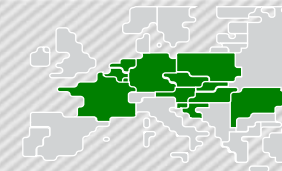
Status of ongoing activities

▸ NEMOs, TSOs, ACER, and NRAs are continuing the investigation into the identified workstreams.

▸ The last PCG WS took place on 21/01/2026.

▸ The outcomes, relevant updates and next steps will be provided during the 04/03 MCCG.

▸ Core Joint Steering Committee has provided the following slides.

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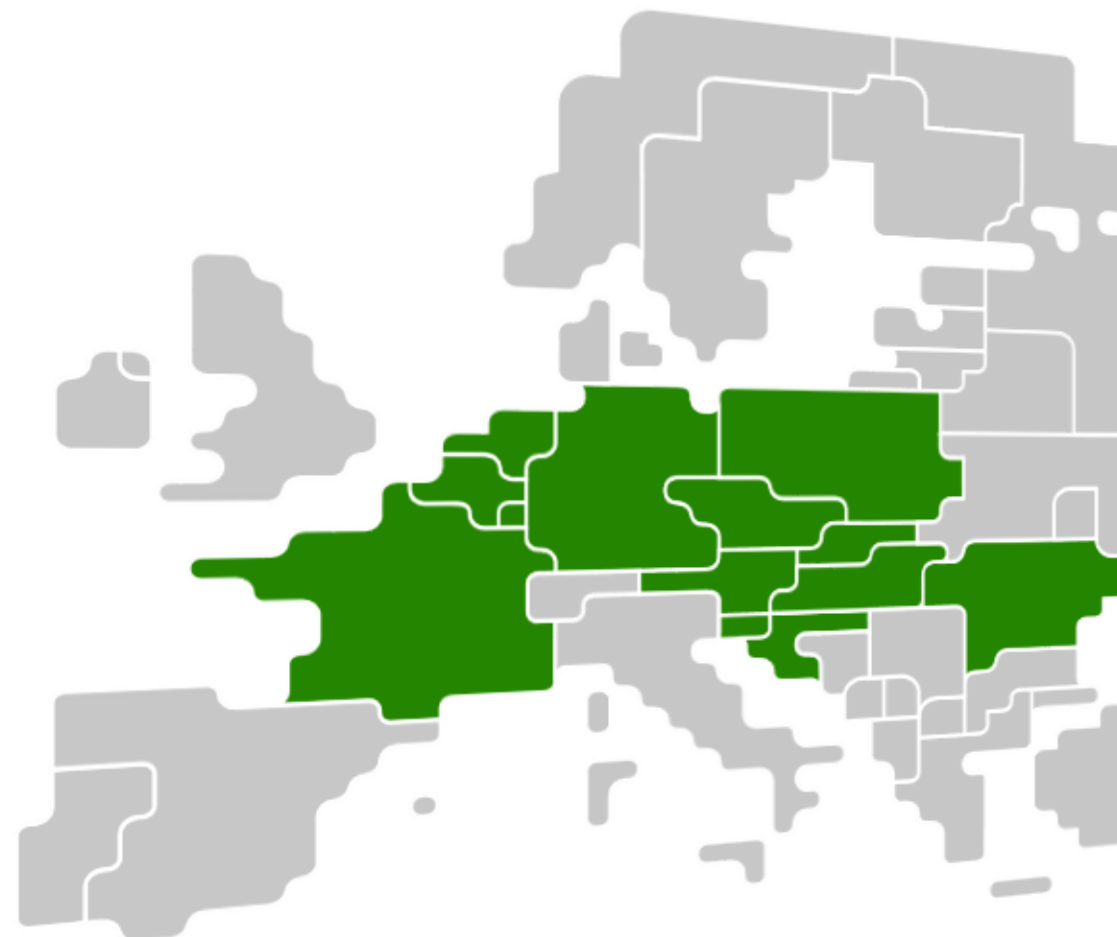
Background

- 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 & local 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 cleared against the SDAC 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.

- 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.

For discussion: Update on Volume Allocation implementation
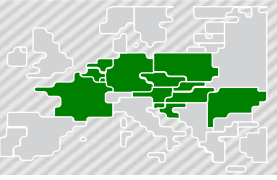
Background

- 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.

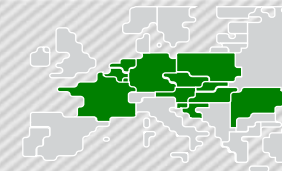## The aim of today is to share an update on the implementation of volume allocation

Main updates

- Nord Pool will implement Volume Allocation as fallback mechanism for the Core Bidding Areas in January.
- Other Core MNA NEMOs will implement Volume Allocation in production shortly after the relevant MNA are approved.
  - o The timelines for submission and approval of MNAs can be found on the following slide.

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	APG: planned for end of January 2026	APG: Depending on NRA approval (up to 6 months)
BE	Public consultation started from 21/11/2025 to 19/12/2025. Submission to CREG has been done	26/06/2025 (internal) 15/07/2025 (with NEMOs)	Elia: Technical: Ready (Current MNA compatible with Volume coupling) Submission date 23/12	New MNA: approval expected end Jan/Begin Feb 26
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	Expected January 2026	To be decided with NRAs
FR	[19/01] RTE launched a public consultation with the French market parties in December. The consultation will close on 20/01. We will then need to take into account the feedback received from MPs and submit the final version of the French MNA to our 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.			

SIDC

Main Bulletins – SIDC Status Updates
SIDC & ACER WS on FB implementation

▸ In order 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 took place on 29/01, with the following agenda topics:

FB for IDA

  ▸ FB for IDA – Scope of changes

  ▸ FB for IDA - Parallel run design/scope

  ▸ FB for IDA – Planning

FB R&D

  ▸ Solver based solution – Status of R&D

  ▸ Dynamic ATC recalculation – Design & status

  ▸ Overall R&D - Planning

SIDC

Main Bulletins – SIDC Status Updates
Flow-Based in IDA

Achieved milestones and next steps

▸ Design phase - completed ✅

▸ Implementation phase - planned and started ✅

▸ Testing phase ☐

  ▸ High level planning is available.

  ▸ Detailed planning is prepared considering 2 alternatives (optimistic or realistic), the major difference being the (im)possibility of XBID R5.1 (performance and other improvements) and R6.0 (FB in IDA) simultaneous testing.

   ▸ So far, received feedback from DBAG and SIDC testing experts indicate a number of challenges for the simultaneous test organization.

   ▸ Respective challenges are subject to further internal discussion and assessment and will be discussed in detail in SIDC MSD/QARM WS with ACER.

Key takeaways: TSOs and NEMOs continue to seek further optimization in test planning for FB in IDAs and in R&D for FB in CT. This includes a possible stepwise implementation of the improvements.

SIDC

FB R&D CT workstreams – Solver based approach analysis interim results

▸ 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

  ▸ Simulations carried out with a standalone prototype—developed with support from an external provider and refined through iterative improvements—show that the pairwise matching of active–passive orders results, on average, 31 times slower than the baseline driven by the existing ATC matching algorithm, which is considered adequate for the current project phase.

  ▸ Following topics are further planned to be addressed in the R&D working on the standalone prototype

    ▸ Passive-passive orders matching

    ▸ Enhanced matching concepts (multiorder trades)

    ▸ Local order book view building

  ▸ Aspects of the overheads vs matching process time are discussed simultaneously with DBAG

    ▸ overheads seems to be significantly higher than matching time

  ▸ Industrialization of the standalone prototype will follow with DBAG (if sufficiently good results achieved) to prove that XBID will be capable to fulfill necessary performance requirements

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Corrective Measures in XBID

Background

▶ On **23th of October, 2025,** NEMOs and TSOs provided an update on Corrective Measures in XBID. The full content may be found on [ENTSO-E] and [NEMO Committee] Websites.

  ▶ NEMOs and TSOs are committed to further performance improvements which, in optimal situation, should lead to a no need to use corrective measures. <u>Short-term corrective measures</u>:

    ▶ NEMOs are applying a hybrid model for ensuring performance of SIDC CT. This implies that NEMOs apply individual corrective measures.

    ▶ The corrective measures are focused on controlling/limiting the overall maximum of order transactions and trades, either during large periods (days) or during peaks on individual basis.

▶ <u>Long-term corrective measures</u>:

  ▶ The scope of the corrective measures and their contribution to the performance improvement is under scrutiny as well as the Key Performance Indicators which are expected to set the ground for the activation of the respective corrective measures.

Updates and Points of Attention

▶ Next set of performance improvements will be delivered in XBID release 5.0 for which functional and regression testing was finished in line with the plan.

▶ Legal analysis on CMs is completed. Recommendations are under implementation into project deliverables.

Main Bulletins – SIDC Status Updates

Corrective Measures in XBID

Corrective Measure	Description	Application	2025			2026	
			10 11 12 01 02 03 04 05			06 07 08 09 10 11 12	

Decrease of orderbook depth — The anonymized information on the available orders, showing volumes and prices. As there may be immense number of orders present in the respective market areas, the information which is provided to the market participant needs to be limited to comply with the technical capabilities of the central and local systems. | The standard OBK depth is set at 100 best competitive orders. This corrective measure foresees to limit OBK depth to the lower level, e.g. 50.

Limitation on LINK orders — Linked orders mean that there is a block of orders which shall be executed at the same time (all or nothing), which require additional processing time compared to regular orders. | The corrective measure on limitation on LINK orders means that such a functionality will be disabled on the central level, meaning that block of orders submitted by the market participants will be rejected for the period of activation of this corrective measure.

Reduction of price tick size — Any order which is submitted to the shared order book needs to contain predefined attributes, which, among others, are the limit price of the order for which it can be sold/bought and volume of the energy associated with the order. Every attribute has technical and logical limits in case of price, such as minimum/maximum value or price tick size. The price tick size means the minimum steps between two "neighboring" prices of the order. Currently it is set to 1 euro cent. Hence the sequence of the prices can look e.g. as 80,00 – 80,01 – 80,02 - …EUROs | The purpose of this corrective measure is to change this price tick size to 10 eurocents, so the sequence of the prices can look e.g. as 80,00 – 80,10 – 80,20 - …EUROs

Alternative testing period under clarification. Testing postponed due to DBAG's restrictions which are now resolved.

Order Ratio (on NEMO or MP level) — The corrective measure aims on harmonised management of the number of orders which market participants provide to LTS. For the considered ratios see the next slide. | For harmonized order ratio (or set of order ratios) a default parameter is agreed. In case the KPI indicate performance issue the stricter parameter is applied to better manage the system load.

To be defined (TBD)

Competition compliance | Design, Implementation & planning of testing | Testing | Evaluation (to approve or discard the CM) | Preparation for application, including regulatory changes if applicable

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▸ Considered order ratios:

  ▸ **Order Per Time** – MP can only submit one order if predefined time has passed after previous one. There is no fix start of the counting, in principle each submitted order starts the counting.

  ▸ **Order Per Timeframe** - MP can submit a maximum number of orders in the predefined "floating" interval. There is no fix start of the counting, in principle each submitted order starts the counting.

  ▸ **Order Per Trade Ratio on NEMO level / Order Per Trade Ratio on MP level** – the predefined number of submitted orders shall lead to the creation of at least one trade.

  ▸ **Order Per Traded Volume Ratio on NEMO level / Order Per Traded Volume Ratio on MP level** - the predefined number of submitted orders shall lead to the creation of one or multiple trades with at least predefined volume.

  ▸ **Order Volume Per Traded Volume Ratio on NEMO level / Order Volume Per Traded Volume Ratio on MP level** - the predefined volume included in the submitted orders shall lead to the creation of one or multiple trades with at least predefined volume.

  ▸ **Updates and Points of Attention**

    ▸ Based on the legal view, none of the considered order ratios is in breach of the market competition as long as it is needed to manage load and peak situation. The least disruptive measures shall be applied first.

SIDC

Main Bulletins – SIDC Status Updates

Legend:
- No derogation requested
- Derogation request submitted[2]
- Approved derogation

30-Minute IDCZGCT

- **Succesful go-live on 14/01/2026** (delivery day) for the first group of TSOs who were not asking for derogation[1].

- Most of the **derogation requests were approved** by NRAs[2].

- **TSOs** are now **planning** the **go-live sequence of the remaining borders**. The **border-based overview will be updated again** with this information before the next MCCG.
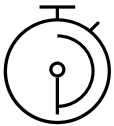
Details on the event may be found on the [ENTSO-E] website
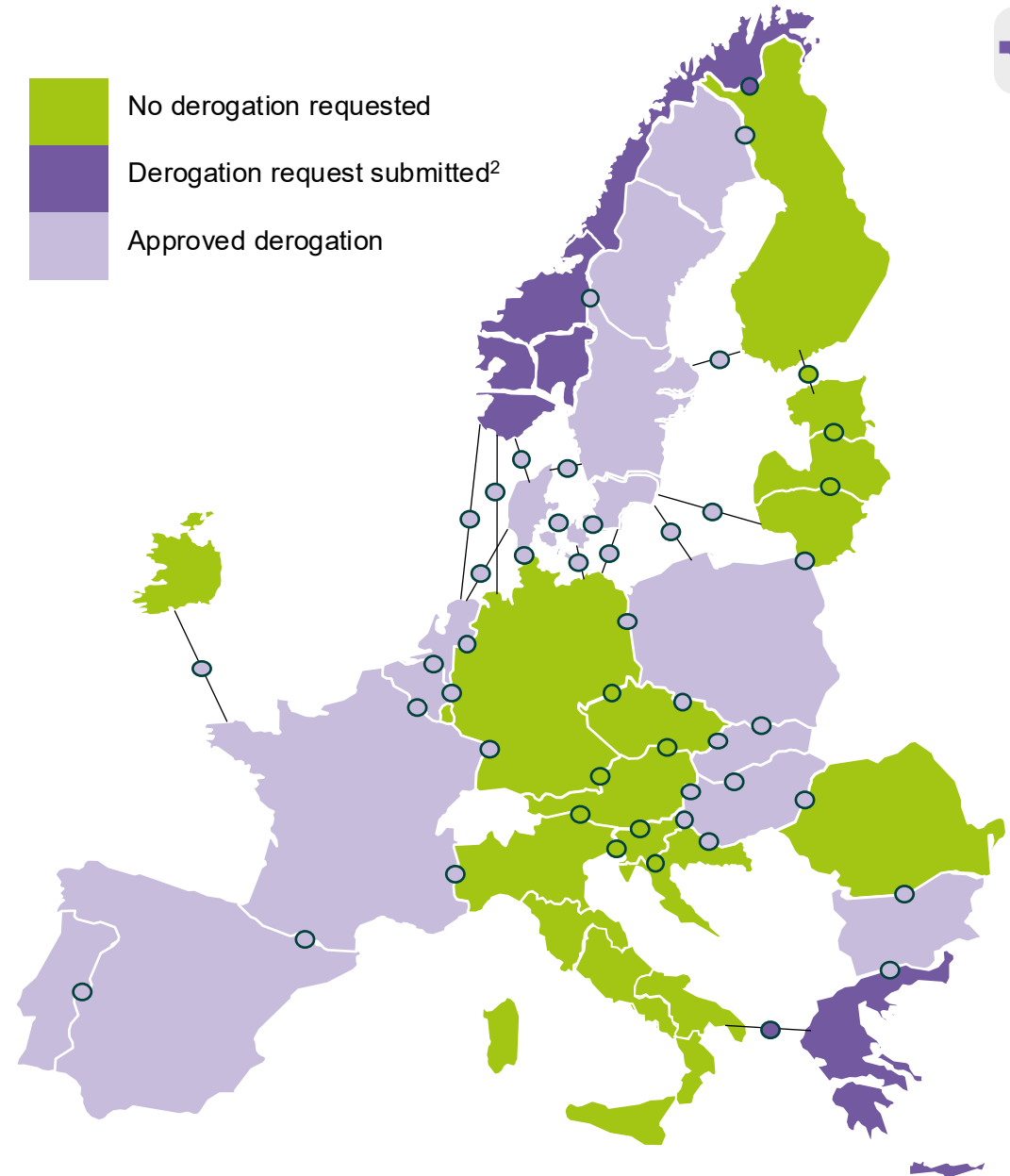
1) Go-live of LT-LV border is planned in February 2026.
2) Statnett will submit derogation request officially to NRA after transposition of relevant regulation in Norway. IPTO has ongoing discussion with the NRA in Greece, decision expected by March 2026.