

## Minutes MCCG

**Date / Place** 20/10/2023, 9:00 – 16:00 CET, GoToWebinar call

**Author** MCSC Secretary, MCCG convenors

| Status | Version | Date       | Comment                                    |
|--------|---------|------------|--|
| Draft  | 1       | 20/10/2023 | Draft minutes circulated to MCCG convenors |
| Final  | 1       | 8/12/2023  | Final version                              |

### Present staff (chairs, speakers, experts, convenors)

Thomas Van Den Broucke, Pierre Milon, Lorenzo Biglia – MCCG Co-convenors  
 Cosimo Campidoglio, Andre Estermann, Ondřej Maca – MCSC Co-chairs  
 Mario Pession – SDAC OPSCOM Chair  
 Marja Eronen – SDAC MSD Co-leader  
 Hilde Rosenblad, Christoforos Zoumas – NEMO Technical TF Co-leader  
 Jaime Ponz Garcia – SIDC OPSCOM Chair  
 David Myska, Lara Visone – SIDC MSD leader  
 Vladimir Satek – SIDC QARM leader  
 Patricia Brhlíková – MCSC Secretary  
 Kata Fehér - MCSC Communication TF leader

**Number of attendees : 238**

### 0. Meeting agenda

## AGENDA

| TIME          | DURATION  | MORNING SESSION   | PRESENTER  |
|---------------|-----------|---|--|
| 9:00 – 9:10   | 10 min    | Welcome, review of the action points logged in the last meeting   | Lorenzo Biglia, Thomas Van Den Broucke, Pierre Milon (MCCG Convenors)  |
| 9:10 – 10:40  | 1h 30 min | <b>SDAC: 15 min Market Time Unit (MTU)</b> <ul style="list-style-type: none"> <li>- Overview with pro/con arguments for the different options discussed within MCSC governance on:               <ul style="list-style-type: none"> <li>o Algorithm Calculation time</li> <li>o DA product mix of 15/30/60 min products</li> </ul> </li> <li>- MCSC recommendations on the way forward</li> <li>- Feedback from Market Participants federations (EFET/Eurelectric)</li> <li>- Next steps</li> </ul> | Marja Eronen, Timo Suhonen (SDAC MSD Convenors)<br><br>EFET/Eurelectric (Lorenzo Biglia)   |
| 10:40 – 11:40 | 60 min    | <b>SDAC operational timings</b> <ul style="list-style-type: none"> <li>- Impact of additional computation time on operational timings of the SDAC process</li> <li>- Interdependency with nomination deadlines for MPs</li> <li>- Second auction process reconsideration</li> </ul>   | Mario Pession/Balint Csuri (SDAC OPSCOM Convenors)<br>Francois-Xavier Detraz (TSO QARM convenor)<br>Pierre Milon (MCCG Convenor)<br>Mario Pession (SDAC OPSCOM Convenor) |
| 11:40 – 12:00 | 20 min    | <b>SDAC Fallback process:</b> <ul style="list-style-type: none"> <li>- Interaction of IDA 1 and DA in case of SDAC delays</li> </ul>  | David Myska, Lara Visone (SIDC MSD Convenors)  |



**12:00-13:00 LUNCH BREAK**

**13:00-16:00 AFTERNOON SESSION**

|  |               |   |  |
|--|---------------|---|--|
| <b>13:00-13:20</b>                       | <b>20 min</b> | <b>MCSC: Status after summer on the prioritization exercise until 2026 and beyond</b>   | André Estermann, Cosimo Campidoglio, Ondrej Maca (MCSC Chairs)   |
| <b>13:20 – 13:40</b>                     | <b>20 min</b> | <b>SIDC: 15 min Market Time Unit (MTU)</b><br><ul style="list-style-type: none"> <li>- Map of time resolutions in Europe in SIDC continuous as well as future SIDC IDAs</li> <li>- Update as requested by Market participants in previous MCCG, slide with the 2025 outlook regarding the 15 MTU switch in intraday continuous, incl. legal deadlines and derogations</li> </ul>                | Jaime Ponz García Comendador (SIDC OPSCOM Convenor)  |
| <b>13:40 – 14:15</b>                     | <b>35 min</b> | <b>SIDC: Intraday Auctions (IDA)</b><br><ul style="list-style-type: none"> <li>- Progress &amp; status of IDA testing</li> <li>- Overview on offered capacity types by TSOS for IDA1, IDA2 and IDA 3</li> </ul>   | Jean-Michel Reghem & Vladimir Satek for status of testing (SIDC QARM Convenors)<br><br>Jean-Michel Reghem for overview IDA capacities (SIDC QARM Convenor) |
| <b>14:15 – 14:25 10 min COFFEE BREAK</b> |               |   |  |
| <b>14:25 – 14:50</b>                     | <b>25 min</b> | <b>Stakeholder engagement approach on Market design changes for 15 min MTU in SDAC and IDA (To be confirmed)</b><br><ul style="list-style-type: none"> <li>- How will MPs be involved for these future market design changes (eg. 15 min MTU, IDA fallback)</li> <li>- When will the proposals be described and via which channels will MPs be informed (eg. MESC/MCCG/consultation)</li> </ul> | André Estermann, Cosimo Campidoglio, Ondrej Maca (MCSC Chairs)<br><br>Thomas Van Den Broucke, Pierre Milon (MCCG Convenors)                                |
| <b>14:50 – 15:10</b>                     | <b>20 min</b> | <b>AOB</b><br><ul style="list-style-type: none"> <li>- Update on MRLVC</li> <li>- Status Co-optimization after consultation on Algorithm requirements</li> <li>- NEMO feedback on the publication of aggregated curves, block execution status</li> </ul>   | Thomas Van Den Broucke (MCCG Convenor)<br><br>Hilde Rosenblad, Christoforos Zoumas (NEMO Technical TF Convenors)<br><br>Pierre Milon (MCCG Convenor)       |
| <b>15 :10 – 15 :40</b>                   | <b>30 min</b> | <b>AOB for Market Parties - optional</b>  | Lorenzo Biglia (MCCG Convenor)   |
| <b>15:40 – 16:00</b>                     | <b>20 min</b> | <b>Q&amp;A and Closure</b>  | Lorenzo Biglia, Thomas Van Den Broucke, Pierre Milon (MCCG Convenors)  |



| No | Date       | Responsible | Description   | Deadline/Status         |
|----|------------|-------------|---|-------------------------|
| 1  | 20/10/2023 | NEMOs       | Consultation on second auction in SDAC  | Q3 2023/ongoing         |
| 2  | 20/10/2023 | NEMOs       | Map when market participants will be notified of IDA 1 cancellation   | Q1 2024                 |
| 3  | 20/10/2023 | NEMOs       | Written clarification block usage for both 15min MTU implementation and IDAs  | Q1 2024                 |
| 4  | 20/10/2023 | NEMOs       | written explanation about the new impact on the 60min curves, in case of multi-time resolution setup, increased likelihood of 60-minute curves being rejected due to the interaction between the averaging rule applied by the algorithm and the presence of price caps in SDAC | Q1 2024                 |
| 5  | 20/10/2023 | TSOs        | Updated nomination map and calls with market participants associations  | Q1 2024/ongoing         |
| 6  | 20/10/2023 | NEMOs       | Enhanced webpage on aggregated curves, block execution status   | November 2023/Completed |
| 7  | 20/10/2023 |             |   |                         |

## 1. Welcome and Introduction

The session file is available under the following links :

NEMO Committee : <https://www.nemo-committee.eu/assets/files/MCCG-20102023-for-publishing-1bba37e3d4e7ca9ce1680954e91acc95.pdf>

ENTSO-E : [Market Coupling Steering Committee \(MCSC\) \(entsoe.eu\)](https://www.entsoe.eu/Market-Coupling-Steering-Committee-(MCSC))

It is reminded that MCCG must be well prepared and shall be interactive sessions. The agenda and the session organisation were introduced and clarified. The action points were added to the session file and the status was clarified at the beginning of the session.

The scope is under CACM to consult market participants on market design, development, and implementation of SDAC and SIDC. It is open to everyone, it has no decision-making power.

It is acknowledged that the process was enhanced because material for decision or escalation was provided to market participants convenors in advance, with a 2 weeks notice to provide feedback in order to discuss critical items before the MCCG session.

## 2. SDAC 15' Market Time Unit (MTU) and SDAC operational timings by 2025

Status of implementation was presentation. It is acknowledged that TSOs and NEMOS have manage to decorelate the following two topics:

- New 2025 SDAC operational timings due to extended calculation time of the SDAC algorithm



- Time resolution of SDAC proposed products by 2025

#### Operational timings:

TSOs and NEMOs announced that the option consisting in defining the calculation time to 30' (instead of the current 17') was chosen. The consequences on the 2025 operational timings were described (publication of market results, start of the nomination process). This decision was made because NEMOs and TSOs do not see a longer calculation time helping a lot to solve the issues experienced in the problematic session.

#### QUESTION 1 : Do TSOs plan to adjust nomination deadlines?

TSOs will engage with market participants (EFET and Eurelectric) and NEMOs in order to evaluate the need and list the impact. A mapping of the current situation was done and proposed within the session file.

#### Product Mix :

NEMOs and TSOs presented the current challenges still faced by the algorithm. While there is a clear understanding that members would like to be proposed the multi-time resolution in terms of product mix, it is still not possible to confirm it due to some problematic sessions within the tested scenarios. NEMOs and TSOs will further analyze the data and hope to be able to take a decision end of November.

#### QUESTION 2 : What do the red scenario mean in operations?

Red scenarios mean that no solution will be found by the SDAC algorithm and that risk of full decoupling is very high for this day. NEMOs and TSOs consider this as a very important criteria to safeguard operational safety.

#### QUESTION 3 : Have hardware (increase of computing power) and software (parallelization of the calculations) solutions also been explored?]

Yes, 2025 SDAC machines (commissioned in 2024 at go-live of Intraday auctions) are much more powerful, and yes, Distributed Computed makes the algorithm able to work on 4 machines instead of 1 : this investment and R&D is already taken into account into the presented results and show that NEMOs managed to industrialize a successful R&D item.

#### QUESTION 4 : Could you clarify how the current limits on the usage of blocks (in particular exclusive block orders) would evolve ? Will the limits be increased ? A detailed explanation on the "to be" limits would be very much welcome.

The current limits will not change. Each NEMO will communicate with its clients.

#### QUESTION 5 : How do you intend to know what part of the market will be in 60mn in terms of monitoring?

NEMOs do calculate SDAC aggregated curves and are able to get this overview for each SDAC session. IT will be an ex-post monitoring.

#### QUESTION 6 : Is there a difference for the algo performance between using 60min products or block product with 4 quarter hours ?

Yes, the difference is noticeable and was taken into account in the tested batches to build performance indicators.

#### QUESTION 7 : do you intend to formally consult MPs on their foreseen use of 15' and 60' products to assess the risk of keeping 60' products at go live ? It is likely that some MPs will use only 15' products and other 60' products, depending on their constraints and preparedness in terms of IT evolutions



NEMOs and TSOs took note of the results of the NEMOs public consultation on SDAC Product methodology as well as the explanation from market participants why hourly time resolution will still be needed. Industrial reasons and use cases of power assets were described by market participants convenors (EFET and Eurelectric).

**QUESTION 8:** Will input network data constraints in Flow-Based area (PTDF) remain hourly based?

The capacity calculation process will remain on Hourly basis, but the input will be published to the market and provided the algorithm on 15 min granularity, meaning capacities remain constant within one hour. To be noted that if on a border one BZ is at a higher MTU then the border on the other side the Border will be at the highest MTU

**QUESTION 9:** Why would curve orders be paradoxically rejected, since they are fully divisible?

Under multi-time resolution setup, the averaging rule linking 15' and 60' merit orders ( $MCP\ 60' = 0,25 * (MCP\ Q1 + MCP\ Q2 + MCP\ Q3 + MCP\ Q4)$ ), makes possible that a 60' curves marginal order at very high price is rejected, because within this hour, some quarterly prices would have exceeded the SDAC price cap. Same principle remains valid under very low negative prices

**QUESTION 10:** as the regulatory framework stipulates that all Bidding Zones should be in 15min MTU by 1/2025 (latest derogation), and borders should have resolution of the adjacent BZ's this means that all borders will be 15 minute resolution in 1/2025 when SDAC with 15 min resolution is implemented?

That is what is currently envisaged in the Big Bang approach for switching to 15 min MTU in Q1 2025.

**QUESTION 11:** Are all NEMO's IT systems already ready for managing 15-min products/bidding? Rules and procedures for bidding should be shared and consulted with market participants in due time, since for 15-min bidding extensive upgrade of MP's IT systems is required as well

15 MTU' in auctions will already be a reality in some bidding zones by 2024 (go-live of Intraday Auctions). SDAC will experience it in 2025 as a big bang. Each NEMO is interacting directly with market participants with regards to trading systems interfaces, and practicalities of testing

**QUESTION 12:** Non-calculation of PUN seems to be a precondition for go-live. However, abolition of PUN should be confirmed/decided by Italian authorities. At what stage are discussions? What are the scenarios if agreement on abolition is not reached?

PUN is a non-mandatory product in the Algo methodology, exchanges with Italian stakeholders (eg NRA) took place. As mentioned in the session PUN will be removed from the SDAC algorithm calculations

**QUESTION 13:** The blocks proposed by the NEMOs will also go to 15 minutes structure?

Yes market participants will be able to submit blocks at 15' granularity

**QUESTION 14:** Why must the hourly product be preserved in SDAC, instead of transitioning entirely to a 15-minute market across the whole of Europe by 2025?

First, block orders are subject to limits that do not apply to hourly orders. If hourly orders are subject to the same limits as blocks, market participants will lose flexibility on the way they bid the assets. Market participants with flexible assets would not be able to bid their full flexibility, which is diametrically opposed to the intentions behind the introduction of the 15min MTU products in SDAC.

Many controllable assets can indeed react very flexibly to short-term changes. However, most of them need to run permanently at an operating point in order to be able to absorb short-term load fluctuations, e.g. from renewable energies. During the time when the flexibility is not needed, these assets then produce energy at an operating point, although there is no actual demand. This will potentially displace clean, renewable, intermittent power generation and "burn" valuable energy sources (i.e. fossil fuels or limited resources in the case of hydropower), which is both environmentally and economically unreasonable and contrary to the goals of the energy transition.



Today, assets that can be operated in a 15min granularity bid their flexibility in the Intraday market, starting from an already determined production profile (as a result of the day ahead auction). The possibility to bid in the SDAC with a granularity of 15min offers very limited added value for these assets.

Moreover, the existing hourly product can clear partially (for only part of the volume). If it is replaced by a QH block, it will not be able to be clear partially but will paradoxically be rejected (PRB) instead. This would also remove flexibility for the assets and lead to an opportunity cost for market participants.

More generally, if the limits on the number of smart blocks remain with SDAC on a QH granularity (e.g. 24 scenarios per exclusive family), there will be an increase in complexity (and computation time) without an increase in flexibility

**QUESTION 15 :** what about countries like GB and Switzerland? are they expected to switch to 15 min as well.

We do cover in MCCG Member States governed by Clean energy Package and CACM governing regulatory package. Management of Imbalance Settlement Period and associated MTU in GB or CH is handled at national level, and had no link with the SDAC discussion today.

**QUESTION 16 :** when the final decision about go live is supposed to be made and what are the next steps? NEMOs and TSOs intend to make a decision by end of November 2023, and communicate on it shortly after. New simulations with improved data quality will be performed in order to take a decision based on high quality indicators.

### 3. SDAC Second auction

NEMOs and TSOs presented the idea to potentially remove the process consisting in re-opening the Order Books of the NEMOs in case some pre-defined price thresholds are reached, in the relevant bidding zones. A public consultation will be prepared by NEMOs in cooperation with TSOs.

**The public consultation was launched on 24 November 2023, and it is available on NEMO Committee website here:** <https://www.nemo-committee.eu/public-consultations/open-public-consultation-on-the-potential-removal-of-the-so-called-second-auctions>

**The deadline for sending feedbacks: 8 January 2024.**

**QUESTION 17 :** Does the deletion of the second auction allows for the process under normal conditions to run in better conditions or does it only help in case the second auction is needed ?

Because operational timings are defined in consideration of the worst case, the removal of the second auction does give more room of maneuver every day, in case an incident occurs.

### 4. SDAC fallback processes - critical delays vs Intraday auction 1 3pm

TSOs presented their recommendation to go-live with the following principle : IDA 1 will be cancelled in case SDAC faces critical delays. This option is supported by the market participants.

After go-live NEMOs and TSOs are considering to potentially build a mechanism that does delay IDA 1 if possible (no direct cancellation).

TSOs and NEMOs are defining the point in time of SDAC operational process when IDA 1 cancellation needs to be announced.

**QUESTION 18:** In case of IDA 1 cancellation, will the DA cross border capacity left over will be given to XBID? This is a regional matter, defined by ID capacity Calculation methodologies. There is probably no change for TSOs with or without IDA compared to current provision of capacity to intraday when DA is decoupled.



**QUESTION 19:** why not totally give up the IDA? Why is the IDA still needed when we have 15' MTU already at SDAC?]

Understanding this point from MPs perspective, TSOs and NEMOs have the legal obligations to implement IDA and 15 min MTU in SDAC so the implementation is therefore not questioned. ACER decided to have 3 IDAs implemented.

## 5. Stakeholder engagement approach on Market design changes for 15 min MTU in SDAC and IDA (To be confirmed)

Market Parties acknowledge the progress made during the preparation of the MCCG #4, and how topics for escalation or decision were shared weeks before the MCCG. It allowed views to be exchanged before the meeting itself.

Parties agree that some dedicated technical sessions could be organized outside of the MCCG in order to dive deeper into the technical topics.

Parties need more time to think and decide on those potential improvements.

## 6. SIDC Continuous: 15 min Market Time Unit

**QUESTION 20 :** Could you further describe the Operational Time Unit (OTU) and explain why it might not transition to 15 minutes as soon as both BZs at the border are at 15 minutes?

OTU applies to interconnectors in the SIDC continuous framework. It is different from the market Time Unit (MTU). The following explanation focuses on the 3 possible scenarios in terms of granularity of MTU and OTU. It is also clearly highlighting the different between MTU (time resolution) and OTU (management of nomination gates and impact on the closure of cross-border trading)

**15' in ID continuous: implementation of 15min cross-zonal MTU and market area 15min MTU**

### Clarification on Operating Time Unit (OTU)

Operating Time Unit ("OTU") is a parameter specific to XBID Intraday platform

OTU set to 60min means that XBID CMM close the trading every 60 minutes, resulting in 24 nomination gates

OTU set to 30min means that XBID CMM close the trading every 30 minutes, resulting in 48 nomination gates

OTU set to 15min means that XBID CMM close the trading every 15 minutes, resulting in 96 nomination gates

OTU is different of the resolution / MTU of the borders but is linked.

If MTU of the interconnector is 60min and OTU is 60min, XBID will close for trading 1 MTU of 60min every hour (24 gates)

→ common situation before 15min MTU transition

If MTU of the interconnector is 15min and OTU is 60min, XBID will close for trading 4 MTU periods on the interconnector in the same time, every hour (24 gates)

If MTU of the interconnector is 15min and OTU is 15min, XBID will close for trading 1 MTU period of 15min every 15min (96 gates)

OTU does not impact the resolution of the borders nor the product that could cross the borders ... however it could impact the neutralization time before the delivery of the MTU periods.



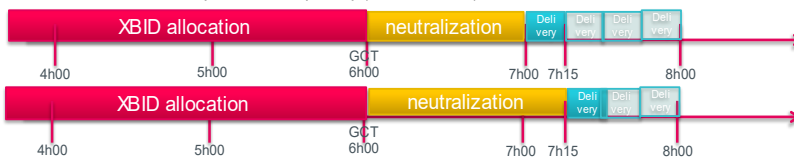


## 15' in ID continuous: implementation of 15min cross-zonal MTU and market area 15min OTU Clarification on Operating Time Unit (OTU)

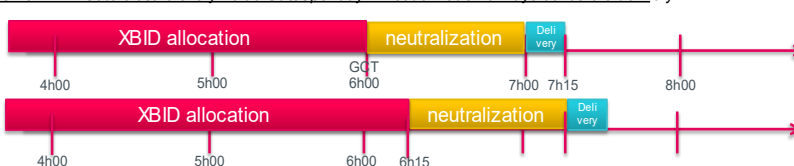
**MTU 60min and OTU 60min** → Gate closure every hour 24 Gates per day



**MTU 15min and OTU 60min** → Gate closure every 60' 24 Gates per day (4 values of 15' → "neutralization": 60, 75, 90 or 105' before delivery)



**MTU 15min and OTU 15min** → Gate closure every 15' 96 Gates per day → neutralization always 60' before delivery



20

Transition to 15 MTU does not mean automatically a transition to 15' OTU. 15' OTU already exist on some interconnector within the CORE region. TSOs will provide a better view on the transition to 15' interconnector OUT in SIDC continuous at a later stage.

Q 21: why is the introduction of 15min internally to BZs in the Nordics in May 2023 and in Poland next year separate from the allocation on a 15-min at the borders?

Balancing reform.

In case of Poland implementation of "cross-zonal" 15-min MTU will be possible only after removal of XBID technical limitation related to Virtual Area.

Q22 you say "15 min OTU resolution in each border may have some delay with regards to 1st January 2025 deadline, depending on each TSO, national regulator (NRA) and ACER". But how is that legal with regard to the Regulation? It is important to have them with the same deadline, including MTU.

We will check and expand on the technical reasons.

## 7. SIDC: Intraday Auctions

NEMOs and TSOs insisted on the fact that they are activating many measures to be able to still go live in Q2 2024.

QUESTION 21: We would like to have a description of the technical specifications regarding the files format and the connection details (APIs, ..) to connect to the platforms. Will they use the same technical specifications as for the SDAC auction? Will NEMO use a specific separate API

From NEMOs perspective, at central level, IDA will be run re-using the same assets currently utilized for running the Day Ahead auction (PMB/Euphemia). At local level, it is up to each NEMO to implement their own solution in order to create the "bridge" between MPs and the central solution. The re-usage of existing systems/functionalities/API or the introduction of new processes is an individual choice, part of the offer each NEMO provides to its own members. We would suggest MPs to check directly with their NEMO of reference.

QUESTION 22 : There will be a Cross-Product Matching (CPM) in IDAS, but not SIDC Continuous?





. Within auctions framework the situation is different : 1) in IDAs, a cross-border cross-product matching will allow orders from different time resolution to be matched together. Within BZ, as a reminder, no cross-product matching because a single MTU will be proposed. 2) in SDAC, it is either like IDAs in case we are forced to go for Single MTU, or there will be cross-product matching within BZ in case of multi-time resolution

QUESTION 23 : What about the blocks made available in IDAs?

All complex orders (exclusive groups, linked families, etc) will be available at the launch of IDAs, where they are usually proposed to by the NEMOs

QUESTION 24 : At the GCT of IDA, what are NEMOs doing with the outstanding orders in SIDC? Do they let them “inactive” or do they remove them (“scratch” them)? Also, during XBID interruption (for example 21:40 until 22:20), trading will still be possible on XBID platform (but without XB capacity) OR on each NEMO local trading platform?

Trading is open in XBID 24/7 and it is up to each NEMO how to manage the outstanding orders from their market participants during the running of IDAs, taking into consideration the constraints of their national markets and regulations; what is applicable for all is that cross-zonal trading is halted during the whole IDA process (20+20 min). We would suggest MPs to check directly with their NEMO of reference if specific process will be implemented. For avoidance of doubts the ACER decision on the methodology for European intraday capacity pricing dated 24 January 2019 Article 4(4) is respected i.e. continuous trading shall continue in XBID within bidding zones where more than one NEMO operates.

QUESTION 25 : Could you clarify how long will the freeze of XBID last? At which moment is it decided to reopen XBID? Is there any update/change on this since last MCCG? (confer slide 39). What will be the deadline for submitting the order book and at what time would the results be expected at the latest? What happens in case of delays in the DA coupling compared to the current situation, notably for IDA1?

in case of IDA failure, the borders previously halted for IDA purpose are without undue delay put back on allocation status in XBID, so that the cross border continuous trading is resumed . Current assumption for the deadline of the submission of orderbook by NEMOs to the central system is GCT+6 minutes (meaning 15:06 CET for IDA1, 22:06 CET for IDA2 and 10:06 CET for IDA3); possible adjustments to the process timings are subject to evaluation on NEMOs side after simulation test execution. The deadline for submission of orders from MPs is naturally kept at GCT. The current assumption for the publish of preliminary results towards MPs is GCT+17.5 minutes.

QUESTION 26 : We would like to know what is the level of confidence in the planning (go live window Q2 2024)? Are there risks of delay? What are the key milestones and the related risks? Are the user testing still planned for March and April 2024? Could you explain what the “minor CR” go live window planned in August/September 2024 is about? Could you indicate: when will the test phase take place and what kind of tests will be performed (only on format or on the algorithm as well)?

The minor Change Requests (CRs) mentioned are related to a minor XBID release containing some CRs not mandatory for IDA Go live, while important for some parties. This release was separated from the main “IDA” XBID release in order not to delay the project. It contains: i) the possibility to configure a topology in XBID Capacity Management Module where a virtual delivery area is connected to other delivery areas with Interconnectors with different resolutions (15 MTU and 60 MTU); ii) the possibility for NEMOs to cancel several trades at once and iii) some other changes related to password reset and files submission and configuration for TSOs.

End-to-end testing phases are scheduled for Market Participants are scheduled in April and May 2024. Each NEMO will be in contact with its members to have this organized.

## 8. AOBs



### **Multi Regional Loose Volume Coupling with GB**

MCCG TSO Co-Convenor presented the background and status of work on MRVLC topic.

Authorities received the reports submitted by TSOs in July 2023 and are assessing it. Decision or next steps will be defined during Specialized Committees on 9 November 2023 under the TCA umbrella.

### **Planned update of Euphemia document following the 15 min MTU and corresponding document for IDAs & Transparency**

NEMOs will come back to market participants in the coming months on this topic.

### **Status on Co-optimization after consultation on Algorithm requirements**

The high-level next steps as presented in the session file were discussed.

### **NEMO feedback on the publication of aggregated curves, block execution status**

NEMOs intend to publish an enhanced reporting page in November

## **9. Closure**

The next MCCG will be organised in Q1 2024.

