

SDAC 15-Minute MTU Go-Live: Information for Joint Members' Testing Phase

Testing Phase Begins

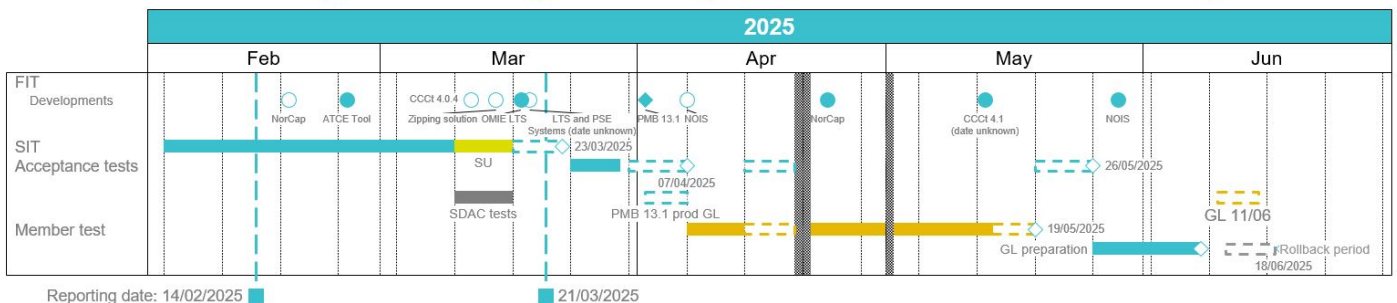
Preparing for a Seamless Go-Live

We are excited to announce that the members' testing phase of the 15-minute MTU will begin in April, marking a crucial step in our journey toward planned go-live on 11 June, with delivery date set for 12 June. During this phase, our focus will be on ensuring all systems are fully optimized and ready for seamless implementation. Testing will allow us to fine-tune processes, validate key scenarios and ensure everything is in place for a smooth launch. Our teams are committed to rigorous testing to guarantee the system's efficiency and reliability from day one. TSOs will provide production-like capacities. However, the accuracy of the results of both market coupling and shadow auctions are dependent on the involvement of market participants - therefore auctions results may deviate from production-like values.

General Information

Detailed Planning of the Member Tests

MCSC uses the following plan for its integration testing of 15 min MTU in SDAC for all bidding zones



Note: The circles denote local and regional developments. Filled circles indicate a production go-live, empty circles indicate availability in testing.

Clarification of Terms:

- FIT: Functional Integration Tests — testing the integration of all relevant systems in market coupling
- SIT: Simulation Integration Tests — simulating market coupling sessions with operators
- Acceptance tests — further tests to validate the stability in repeated market coupling sessions
- Member tests — market coupling sessions that include members' order books
- SU: System Updates

Detailed Scenarios of the Member Tests

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
Mo	07/04	08/04	Normal day (with nominations)	31/03	01/04	Operation of the day-ahead session without any deviation from normal process. Steps of day-ahead session followed in line with new timings.	Submission of orders. Reception of results for day-ahead coupled borders. Validation of nomination in the TSO platform.
Tu	08/04	09/04	Full decoupling with shadow auction (with nominations)	01/04	02/04	Full decoupling of day-ahead session. Steps of day-ahead session followed in line with new timings.	<u>For all borders:</u> Submission of orders. Validation of nomination in the TSO platform. <u>For borders with shadow auctions:</u> Reception of results and programming authorizations calculated from shadow auction. <u>For Nordics:</u> Reception of results from Nordic regional coupling for Nordic internal borders.

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
We	09/04	10/04	Partial decoupling Nordic region (with Nordic regional coupling) (with nominations)	02/04	03/04	Partial decoupling of EPEX and EMCO in the Nordic region for missing order books followed by Nordic regional coupling. Steps of day-ahead session followed in line with new timings.	<p><u>For all borders:</u></p> <p>Submission of orders.</p> <p>Validation of nomination in the TSO platform.</p> <p><u>For borders with shadow auctions:</u></p> <p>Reception of results for day-ahead coupled borders.</p> <p>Reception of results and programming authorizations calculated from shadow auctions for NO2-NL and NO2-DE.</p> <p><u>For Nordics:</u></p> <p>Reception of results from Nordic regional coupling for Nordic internal borders.</p>

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
Th	10/04	11/04	Second calculation due to bidding error management	03/04	04/04	Simulation of a bidding error for one market participant leading to a second calculation. Steps of the day-ahead session followed in line with new timings.	Submission of orders. Reception of results for day-ahead coupled borders.
Mo	14/04	15/04	System Updates	07/04	08/04	Day booked to allow market participants to update their systems as needed.	
Tu	15/04	16/04	System Updates	08/04	09/04	Day booked to allow market participants to update their systems as needed.	
We	16/04	17/04	System Updates	09/04	10/04	Day booked to allow market participants to update their systems as needed.	

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
Th	17/04	18/04	System Updates	10/04	11/04	Day booked to allow market participants to update their systems as needed.	
Mo	21/04	22/04	<i>Public holiday</i>	14/04	15/04	N/A	N/A
Tu	22/04 is the execution trading day 25/10/2025 is the LTS trading day	23/04 is the execution delivery day 26/10/2025 is the LTS delivery day	Daylight Saving Time (Long Clock Change)	26/10/2024	27/10/2024	Operation of the day-ahead session without any deviation from normal process for the DST LCC 2025. Steps of day-ahead session followed in line with new timings.	Submission of orders with DST LCC content (up to 100 15min periods). Reception of results for day-ahead coupled borders with DST LCC content.
We	23/04	24/04	Max / min price reached and curtailment	16/04	17/04	Operation of the day-ahead session without any deviation from normal process. Steps of day-ahead session followed in line with new timings.	Submission of orders with specific instructions (cf. chapter instructions for specific Normal Day scenarios).

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
							Reception of results containing max and min price reached for at least 2 separate time units for each Bidding Zone (BZ) and curtailment for day-ahead coupled borders.
Th	24/04	25/04	No liquidity in a given time resolution	17/04	18/04	Operation of the day-ahead session with a potential extended calculation time. Steps of day-ahead session followed in line with new timings.	Submission of orders with specific instructions (cf. chapter instructions for specific Normal Day scenarios). Reception of results with high level of volatility within the same hour for day-ahead coupled borders.
Mo	28/04	29/04	Normal day	21/04	22/04	Operation of the day-ahead session without any deviation from normal process. Steps of day-ahead session followed in line with new timings.	Submission of orders. Reception of results for day-ahead coupled borders.

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
Tu	29/04	30/04	Normal day	22/04	23/04	Operation of the day-ahead session without any deviation from normal process. Steps of day-ahead session followed in line with new timings.	Submission of orders. Reception of results for day-ahead coupled borders.
We	30/04	01/05	Normal day	23/04	24/04	Operation of the day-ahead session without any deviation from normal process. Steps of day-ahead session followed in line with new timings.	Submission of orders. Reception of results for day-ahead coupled borders.
Th	01/05	02/05	<i>Public holiday</i>	24/04	25/04	N/A	N/A

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
Mo	05/05	06/05	High number of blocks	28/04	29/04	Operation of the day-ahead session with a potential extended calculation time or a full decoupling. Steps of day-ahead session followed in line with new timings.	Submission of orders with specific instructions (cf. chapter instructions for specific Normal Day scenarios). Reception of results for the day-ahead coupled borders or the shadow auctions and Nordic regional coupling ones.
Tu	06/05	07/05	Paradoxically Rejected 60' Curves	29/04	30/04	Session will be executed without cross-NEMO (and cross-border, depending on the NEMO) exchanges to ensure the occurrence of Paradoxically Rejected Curves.	Submission of orders with specific instructions (cf. chapter instructions for specific Normal Day scenarios). Reception of results for the day-ahead coupled borders containing paradoxically rejected 60' curves.

Week day	Test Execution Date		Member Tests' (MTs) Scenarios	Test Capacity Data		Description	Expected Results for Market Parties
	Trading Day	Delivery Day		Production Reference Trading Day	Production Reference Delivery Day		
We	07/05	08/05	Re-execution or Normal day	30/04	01/05	Depending on NEMOs/TSOs alignment (cf. re-execution principles)	
Th	08/05	09/05	<i>Public holiday</i>	01/05	02/05	N/A	N/A
Mo	12/05	13/05	Re-execution or Normal day	05/05	06/05	Depending on NEMOs/TSOs alignment (cf. re-execution principles)	
Tu	13/05	14/05	Re-execution or Normal day	06/05	07/05	Depending on NEMOs/TSOs alignment (cf. re-execution principles)	
We	14/05	15/05	Re-execution or Normal day	07/05	08/05	Depending on NEMOs/TSOs alignment (cf. re-execution principles)	
Th	15/05	16/05	Re-execution or Normal day	08/05	09/05	Depending on NEMOs/TSOs alignment (cf. re-execution principles)	

GO/NO-GO Decision for Member Test' Start

Member test phase will start only if the procedural test phase has been successfully completed by NEMOs and TSOs. Consequently, a GO/NO-GO decision to proceed with Member tests will be taken by NEMOs and TSOs in due time and communicated to market participants. Following this decision:

- If a GO is sent, the MTs will start as initially planned on 7 April.
- If a NO-GO is sent, NEMOs and TSOs will provide a new plan for MTs and potentially a new go-live date. The drafting of the new plan highly depends on the reason as to why a NO-GO decision has to be taken.

Participation Principles

NEMOs and TSOs would like to emphasize the fact that market participants' involvement is of the utmost importance to be able to simulate 'production-like' market conditions.

Timing for Tests

Indicative timings for member tests are as follows:

Step	*Normal Day Test Timings	Normal Day with Specific Instructions	Incident Scenario Maximum Test Target Timings
Provision of capacity	13:30 CEST	13:30 CEST	13:30 CEST
Order Book Gate Closure Time (OBK GCT)	14:00 CEST	**13:30 CEST	14:00 CEST
Publication of preliminary results	14:55 CEST	14:55 CEST	16:05 CEST
Final release of results	15:05 CEST	15:05 CEST	16:15 CEST
Nominations deadlines	Please check the chapter "TSO-Related Information"		

* The normal day test timings may be updated retrospectively by individual NEMOs.

** 13:30 GCT will only be applied when running the normal day with specific instructions (cf. below) to give NEMOs time to check the submitted orders and potentially modify them to be in line with the scenario. 13:30 GCT is not reflecting production timings + 2 hours.

Input Capacity Data

Production data from production trading day D-7, converted from 60-min MTU to 15-min MTU resolution, will be provided as input capacity data. This will allow market participants to simulate production-like capacity situations.

Coordination & Communication

Communication and coordination will be similar to production conditions: market participants must register towards NEMOs and JAO to receive market messages. In case of any further need for discussion/clarification, market participants will need to communicate directly with their NEMO. The latter will be responsible for reporting at the NEMO / TSO level.

Re-Execution Principles

- TSO cross-border nomination processes and JAO shadow auctions will be active and available only during the first three days of execution, 7-8-9/4 (simulating normal day, partial decoupling of Nordic region and full decoupling).
 - For normal day, partial decoupling and full decoupling scenarios on 7-8-9/4 the TSO cross-border nomination platforms will be available.
 - For partial decoupling and full decoupling scenarios on 8-9/4 JAO shadow auctions will be available.

Therefore, it is important that market participants actively take part until the end of the process for those three days. If market participants want to have more execution days during which TSOs' platforms have to be available, they need to make the request to their respective NEMOs in order for NEMOs and TSOs to organize it centrally.

- Scenarios are defined in advance, except for the last five days of Member Tests (7-12-13-14-15/5) for which NEMOs and TSOs have planned to perform either normal day or re-execution of failed scenarios.
- Failed scenarios are planned by NEMOs and TSOs in case of negative procedural outcomes (e.g. a scenario changed last-minute or the foreseeable timings were not followed). In that case, a second execution will be planned and communicated through the NEMOs using operational messages.

NEMO-Related Information

NEMO Registration Process

Every NEMO will communicate their own registration process and associated deadline, to market participants. It is important that market participants register if they wish to receive market messages during Member Tests execution.

Instructions for Specific Normal Day Scenarios:

Week day	Test Execution Date (trading day)	Member Tests (MTs) Scenarios	Instructions for <i>Market Participants</i> : OBK provision and NEMOs potential modifications of OBK
We	23/04	Max / min price reached and curtailment	<p>Market participants <u>should follow the following instructions</u>:</p> <ul style="list-style-type: none"> • Provide orders with maximum prices. • NEMOs would then provide high demand volumes. <p><i>If market participants do not follow these instructions, NEMOs will modify the non-compliant OBKs. Additionally, all adjusted OBKs will be made available to the respective market participants so that they can understand the changes made.</i></p>
Th	24/04	No liquidity in a given time resolution	<p>Market participants <u>should follow the following instructions</u>:</p> <ul style="list-style-type: none"> • Submitting no orders in 15' MTU for each BZ (except OMIE's BZ for which only 15'MTU is available) • No orders in 30' MTU to be submitted for Ireland (to be confirmed for 30' MTU area). <p><i>If market participants do not follow these instructions, NEMOs will modify the non-compliant OBKs. Additionally, all adjusted OBKs will be made available to the respective market participants so that they can understand the changes made.</i></p>
Mo	05/05	High number of blocks	<p>Market participants <u>should follow the following instructions</u>:</p> <ul style="list-style-type: none"> • Submitting OBKs with three times the current volume of blocks (although realistic) in 15 min and 60 min resolution.

Week day	Test Execution Date (trading day)	Member Tests (MTs) Scenarios	<p style="text-align: center;">Instructions for <i>Market Participants</i>:</p> <p style="text-align: center;">OBK provision and NEMOs potential modifications of OBK</p>
			<ul style="list-style-type: none"> Volumes and prices must be similar to current production levels (e.g., volumes per quarter are similar to volumes in 60 min resolution). <p>After the registration process is closed, if not enough market participants are registered, individual NEMOs could contact market participants to request an increase in the above multiplication factor.</p> <p><i>If some market participants do not follow these instructions, either NEMOs will modify the non-compliant OBKs, or NEMOs will provide dummy files to add orders for reaching a high prod-like number of blocks. Additionally, all adjusted OBKs will be made available to the respective market participants so that they can understand the changes made.</i></p>
Tu	06/05	Paradoxically Rejected 60' Curves	Instructions will be provided via individual NEMOs.

For all the above scenarios, market participants have to provide their OBKs by 1.30PM CEST. There will be no possibility of modifying OBKs after this deadline, except by contacting the respective NEMO.

TSO-Related Information

TSO Registration and Nomination Specifics: TSOs will centrally communicate on registration requirements, nomination processes and organizational details by posting a joint communication on the website of JAO (www.jao.eu).

JAO-Related Information

JAO Registration: JAO has already sent an email to its registered members informing them of registration requirements and deadline for completion. A reminder will be sent shortly before the end of the registration window. It is important to note that JAO will limit registration to members already participating in the shadow auction allocation in the production environment (this means any company not currently registered with JAO will not be able to register to participate in the decoupling sessions of the SDAC 15MTU member tests). Moreover, the interconnector(s) entitlement(s) will be copied from the production environment, to facilitate the nomination of shadow auction capacity towards the TSOs.