

SEMOpX DAM 30 Minute MTU Project Update

27th Feb 2025

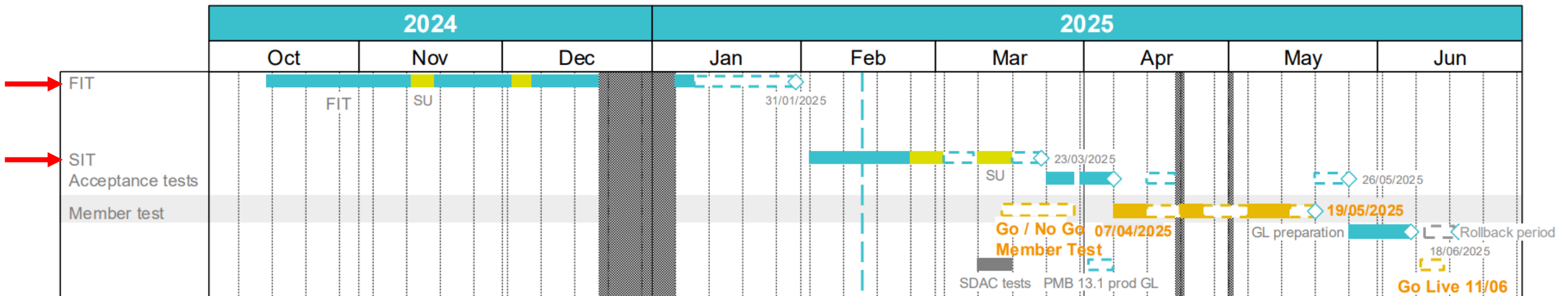


DAM 30Min MTU Updates

SDAC NEMO & TSO Testing Progress

- Go-live date **11th June 2025** (Delivery Date: 12th June 2025)
- SDAC NEMOs & TSOs Functional Integration Testing completed on 31st January 2025 and currently in Simulation Integration Testing (Procedural Testing) until end of March 2025
- SDAC NEMOs & TSOs Acceptance Testing (Stability Testing) to start after SIT
- Technical readiness of NEMOs and TSOs will be declared to MCSC before the start of the SDAC Member Testing

SDAC 15 min MTU timeline



**Dates subject to successful testing*

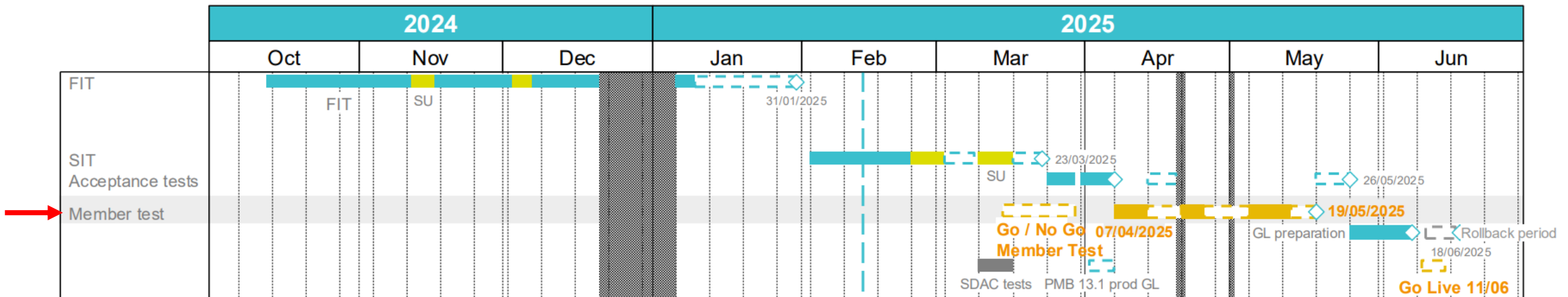
Legend:
 FIT – Functional Integration Testing
 SIT – Simulation Integration Testing
 SU – System update

DAM 30Min MTU Updates

SDAC Member Testing

- Local Member Testing planned for March 2025 (details to come)
- SDAC Member Testing with scenarios which will include NEMOs, TSOs and Members will commence on the **7th April 2025***
- In the second half of March 2025, a GO/NO-GO communication to members will be provided by SEMOpx to confirm the start of the SDAC Member Testing

SDAC 15 min MTU timeline



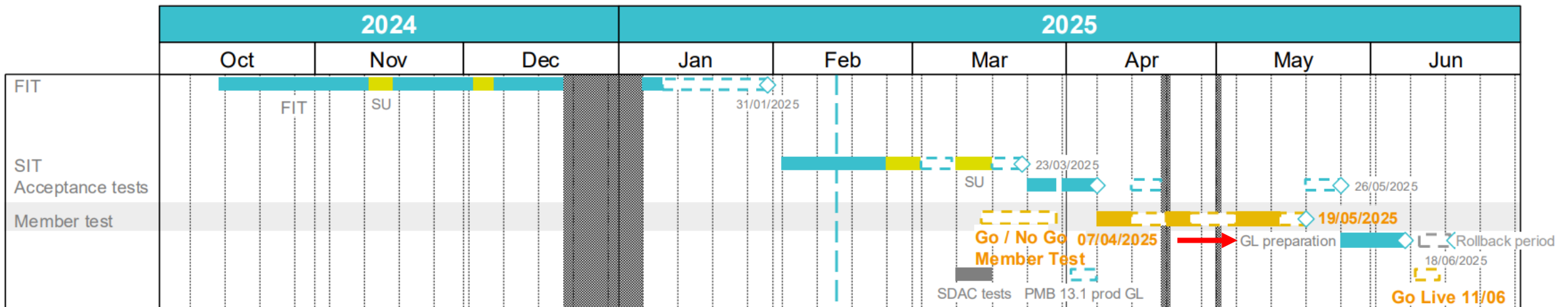
**Dates subject to successful testing*

DAM 30Min MTU Updates

Go-Live Preparation

- NEMOs and TSOs have planned 2-3 weeks of go-live preparation between the end of SDAC Member Test Phase and the go-live (from 16th May 2025 - 10th June 2025)
- During this preparation phase, SEMOpx will keep the trading system testing environment open until the go live

SDAC 15 min MTU timeline



**Dates subject to successful testing*

Legend:
 FIT – Functional Integration Testing
 SIT – Simulation Integration Testing
 SU – System update

DAM 30Min MTU Updates

SDAC Member Testing Detailed Plan

- 17 execution days over 6 weeks
- Includes contingency and focusing on what is newly introduced by 15' MTU implementation (Respectively, 30Min MTU implementation in SEMOpX Market)
- No testing during System Update days from 14th April - 17th April 2025
- Accounts for re-execution of any scenario in the last week (if necessary)



SDAC 15minTG Member testing

Scenario / Testing day	7/4	8/4	9/4	10/4	11/4	12/4	13/4	14/4	15/4	16/4	17/4	18/4	19/4	20/4	21/4	22/4	23/4	24/4	25/4	26/4	27/4	28/4	29/4	30/4	1/5	2/5	3/5	4/5	5/5	6/5	7/5	8/5	9/5	10/5	11/5	12/5	13/5	14/5	15/5	16/5	17/5	18/5									
Normal day (with nominations)	Yellow																						Yellow	Yellow	Yellow																										
Full decoupling with shadow auction (with nominations)		Yellow																																																	
Partial decoupling of the Nordic region (with nominations)			Yellow																																																
Second calculation due to bidding error management				Yellow																																															
Daylight Saving Time - Long Clock Change																	Yellow																																		
Max / min price reached + curtailment																		Yellow																																	
No liquidity in a given time resolution																																																			
Max number of blocks																																																			
Paradoxically rejected curves																																																			
Re-execution																																																			
System updates																																																			

Key
Friday / Weekend / Public Holiday
Testing / related activity



DAM 30Min MTU Updates

SDAC Member Testing Detailed Plan - SEMOpx Impact

#	Testing Day	Scenario
1	Monday 7 April 2025	Normal Day
2	Tuesday 8 April 2025	Full Decoupling
3	Wednesday 9 April 2025	Partial Decoupling of Nordic Region**
4	Thursday 10 April 2025	Second Calculation due to bidding error management
5	Tuesday 22 April 2025	Daylight Saving Time (DST) - Long Clock Change (LCC)
6	Wednesday 23 April 2025	Max / min price reached + curtailment*
7	Thursday 24 April 2025	No liquidity in a given time resolution (15Min MTU)**
8	Monday 28 April 2025	Normal Day
9	Tuesday 29 April 2025	Normal Day
10	Wednesday 30 April 2025	Normal Day
11	Monday 5 May 2025	Max number of blocks**
12	Tuesday 6 May 2025	Paradoxically rejected hourly curves**
13	Wednesday 7 May 2025	Re-execution of previous scenario or Normal Day
14	Monday 12 May 2025	Re-execution of previous scenario or Normal Day
15	Tuesday 13 May 2025	Re-execution of previous scenario or Normal Day
16	Wednesday 14 May 2025	Re-execution of previous scenario or Normal Day
17	Thursday 15 May 2025	Re-execution of previous scenario or Normal Day



**Impact to be determined*

***No impact to SEMOpx
Market Members*

DAM 30Min MTU Updates

Scenarios not organized by NEMOs / TSOs

➤ DST Short Clock Change (SCC)

- Reasoning: NEMOs / TSOs propose to focus on Long Clock Change during this testing phase. NEMOs will take responsibility to organize SCC testing, if need be, for their Market Participants closer to SCC in production, around Q1 2026.

➤ Rollback

- Reasoning: Technically, it is infeasible for NEMOs / TSOs to simulate a rollback and have their test environments available for other tests execution or for NEMO individual testing. Each NEMO, TSO, market participant needs to prepare individually for the activation of this exceptional process.



DAM 30Min MTU Updates

Member Participation & Test Execution

- During first 3 days of execution (Normal day, Full decoupling and Partial decoupling 7th April - 9th April), SEMOpx will send out Post Trading Reports (BidFiles, Market Results etc.)
- Further details of scenarios will be provided in Members Test Communication Package
- Emphasis on the fact that Market Participants' participation is of the utmost importance to be able to simulate the production-like market conditions
- A communication package will be provided by SEMOpx containing information regarding detailed planning, OBK related instructions, environment, etc. (in mid-late March 2025)



DAM 30Min MTU Updates

Timings for member tests*

- Order Book Gate Closure Time:
 - Normal Day at 13:00 BST
 - Full or partial decoupling scenarios at 12:00 BST
- Capacity provision will start around 10:00 BST
- Result / final confirmation provision will be around 13:52 BST



Coordination & registering during the member test

- Conditions for communication during the Joint E2E MT are similar to production
- Market participants will be required to register to participate in SDAC Member Testing



**Timings may be subject to adapting depending on procedural test result.
This will be confirmed in the Member tests communication package.*

DAM 30Min MTU Updates

Rollback - High Level Plan

- The rollback concept is a switch to the configuration of systems prior to the 30Min MTU go-live (back to 60 min resolution):
- The monitoring period in which the rollback can be activated is within 1 week after 30'MTU go-live



0 = 30'MTU go-live

0+1 week

0+2 weeks

0+3 weeks

0+4 weeks

- The decommissioning of 60'MTU-related systems/functionalities must not be done prior 24th June

Rollback validation and triggering process

- In practice, this means that the following **Rollback validation and triggering process** could be activated anytime during the 1-week period:

Triggering event

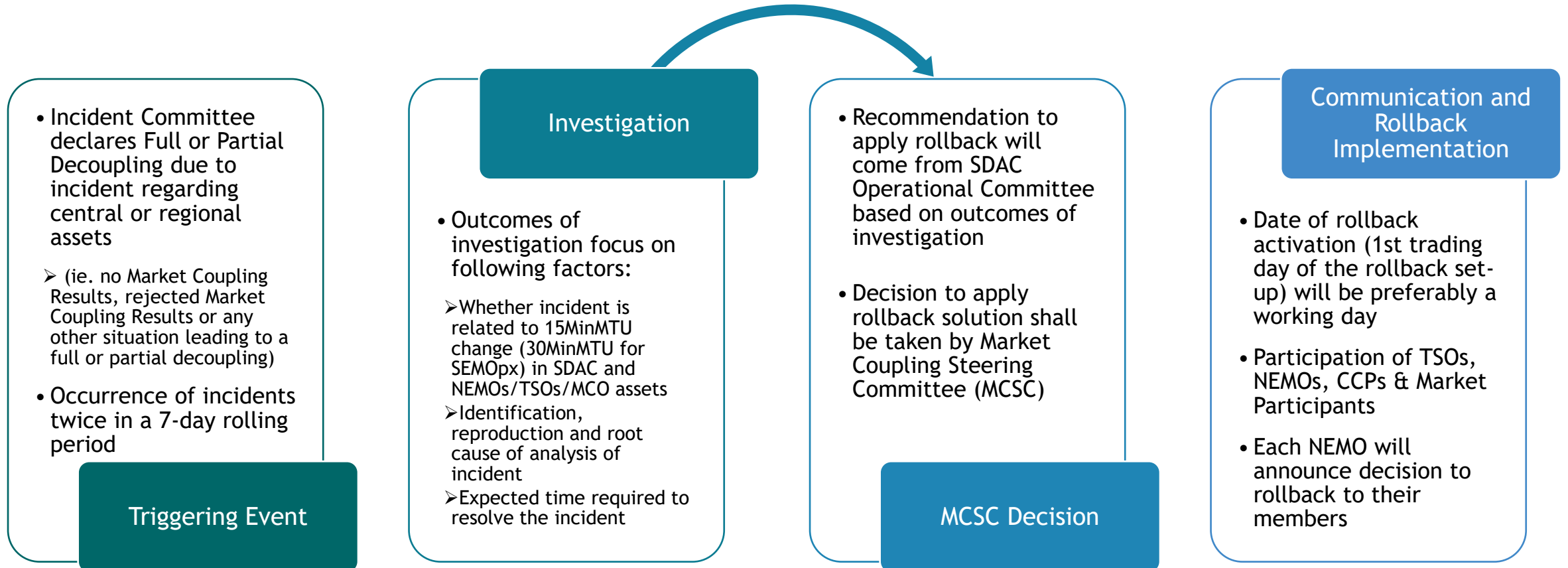
Investigation

MCSC decision

Communication and
Rollback Implementation

DAM 30Min MTU Updates

Rollback Validation and Triggering Process



DAM 30Min MTU Updates

Rollback - High Level Plan

- Implementation and lead time:
 - A lead-time of 3 days (1 decision day + 2 implementation days) will be necessary to switch back from 30 Min MTU (trading and allocation) setup to 60 Min MTU.



11/06 = 30' MTU go-live

17/06 inclusive

24/06 inclusive

Trading Day
D

Trading Day
D+3

★ Rollback activation period

1st
decoupling

2nd
decoupling

Decision to
rollback

★
Earliest 1st
trading day
under 60' MTU

★
Latest 1st
trading day
under 60' MTU

DAM 30Min MTU Updates

Rollback - High Level Plan

- Activation of the rollback will be decided if the following criteria is met:
 - Declaration of a full or partial decoupling due to an incident regarding the central or regional assets (e.g., no Market Coupling Results, rejected Market Coupling Results or any other situation leading to a full / partial decoupling) twice during the 7-day monitoring period.

Additional Information

- The rollback will be applied to the whole of SDAC at the same time, including SEMOpx
- In the event of a rollback (once rollback is implemented), the clearing price will be in 60Min MTU. SEMOpx will discontinue with the publication of 30Min MTU.



SDAC 15Min MTU Overview



SDAC 15 Min Market Time Unit (MTU)

Time Resolution of Products Proposed by NEMOs When 15'MTU Is Implemented in SDAC

Based on the request from market parties, MCSC NEMOs have provided their input in the **survey on time resolution of the products that NEMOs will propose as of 15' MTU go-live in SDAC in 2025**. The overview represents the status as reported on 27/06/2024.

The following **highlights** can be observed:

- **15' MTU is confirmed** (except Ireland);
- **Most of the NEMOs will keep the hourly products alive** except:
 - SEMO Px (derogation is granted, 15' MTU will not be implemented in 2025 in Ireland)
 - OMIE (ES, PT)
- 30' Period Orders (POs) will be proposed by some NEMOs on top of 15' and 60' granularities.



- 15' MTU and 60' Period Orders (POs)
- 15' MTU, 30' and 60' POs
- 15' MTU
- 30' POs

NEMOs	Covered BZs	15' MTU	30' POs	60' POs
BSP	SI	✓		✓
CROPEX	HR	✓		✓
EPEX SPOT	NO, SE, FI, DK, PL, DE-LU, NL, BE, FR, AT	✓	✓	✓
EXAA	AT, DE	✓		✓
GME	IT	✓	✓	✓
HEEx	GR	✓		✓
HUPX	HU	✓		✓
IBEX	BG	✓		✓
NORDPOOL	NO, SE, FI, DK, EE, LT, LV, PL, DE-LU, NL, BE, FR, AT	✓	✓	✓
OKTE	SK	✓		✓
OMIE	ES, PT	✓		
OPCOM	RO	✓	✓	✓
OTE	CZ	✓		✓
SEMOPx	IE, NI		✓	
TGE	PL	✓	✓	✓

1 – NORDPOOL and EPEX SPOT
2 – EXAA proposed 15'MTU and 60' POs