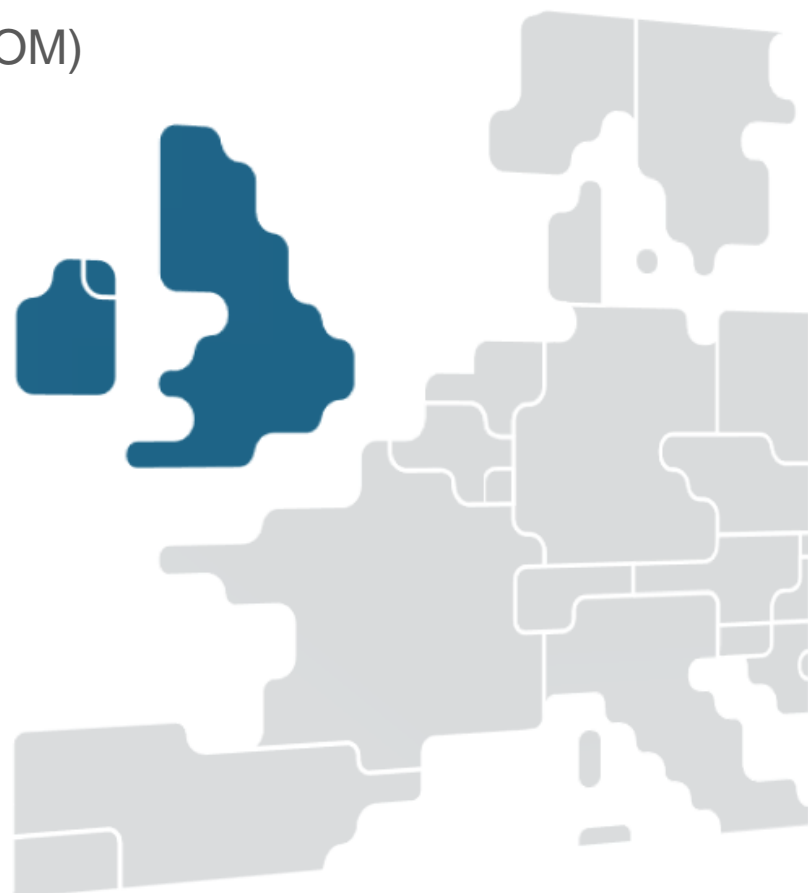# Decoupling training session with Market Participants

SEM-GB Information package

Operations Committee (OPSCOM)

30/09/2021

Agenda

1) Background & Goal
2) Date and timeslot
3) Scenario: Full decoupling of MRC
4) Operational process and timings
5) Coordination
6) Evaluation and reporting

Backup: Fallback Solutions per Interconnector and Bidding Zone

SDAC Operations

- o Since the Go-Live of the SEM-GB Market in 2018, almost 2000 successful market coupling sessions have been conducted.

- o In the last 8 months, 3 major incidents have occurred in the SEM-GB, one of which led to a full decoupling and cancellation of the SEM-GB IDA2 Auction.

- o As part of the SEM-GB evaluation of these incidents, a recommendation was made to perform training sessions involving all operational parties (Transmission System Operators, Nominated Electricity Market Operators, Central Clearing Parties etc.) including Market Participants.

Goal

- o This training session is organized to give all parties involved in a possible SEM-GB market decoupling the opportunity to validate that they are properly prepared to handle such an incident in real operations and real-life conditions.

Date

- o 30/09/2021

Timeslot

		Full Decoupling			
Step	Description		System	Simulation Time	IDA 1 Production Timing
1	Start of the Market Coupling Session		PMB	14:00	17:15
2	Target Time for submitting CZCs		PMB	14:30	17:45
3	Latest Time to Start an Incident Comittee		Phone	14:45	18:00
4	Sending of the ExC_04 :Full Decoupling due to CZC reasons and running of local auctions message		Email	15:00	18:15
5	Running of Local Auctions where applicable		Local Trading System	15:15	18:30

Please note: Timing is in CET.

Full Decoupling

- o Within the SEM GB Market, there are two triggers that lead to the FULL DECOUPLING of an auction, being **CZC-related reasons** and **non-CZC-related reasons**.
- o However, due to the impact that the CZC-related trigger has on members, with the cancellation of an auction followed by a local auction, this scenario will be applied to ensure that the training session is **interesting for all participating parties.**
- o After the SEM GB full decoupling (for CZC-related reasons) is declared, **fallback mechanisms will be activated**, where applicable, such as: **Shadow/Explicit Auctions and/or local auctions or regional coupled auctions run by NEMOs**.

How it will be simulated

Although there are 2 official triggers for a SEM GB full decoupling, there are various issues that can lead to a trigger being encountered.
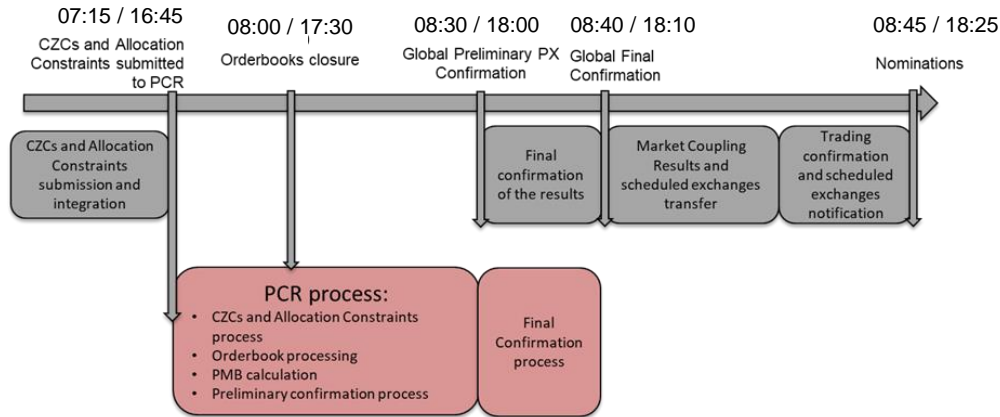
Based on 3 years of SEM-GB Market Coupling operations we have decided to simulate:

- o A trigger that is in line with the facts likely to lead to a full decoupling.
- o A scenario that is besides representative, also possible to "simulate in a controlled manner" so that there are no distracting complications.
- o A full decoupling due to issues with the submission of cross-zonal capacities. EirGrid/SONI will not be able to generate the capacity file. This means that no SEM-GB market coupling results will be available at the usual publication time of the auction, but local auctions will be triggered depending as per the operational processes.
- o The TSOs, NEMOs and JAO will **handle everything in line with the procedures.**
- o The **market participants are expected to respond/act**, based on the operational messages from their respective NEMOs and JAO, **exactly like in real operations.**
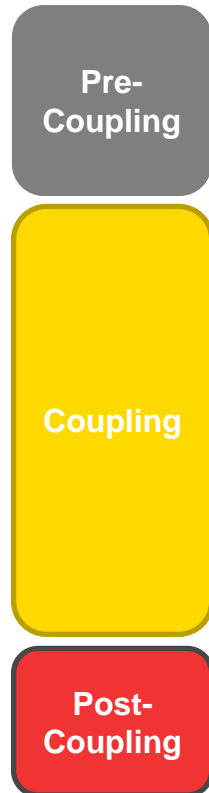
Normal process and timings (GMT/IST)

- ○ To start with, all TSOs will be expected to provide cross border interconnector capacities to the coupling system (PMB, meaning PCR Matcher Broker) via NEMOs systems and Market Participants send orders for buying and/or selling through the Local Trading System of their NEMO.

- ○ At 08:00/17:30 GMT/IST (production time for respectively IDA2 and IDA1 Auctions), the local order books of each NEMO are closed and submitted to the PMB, which subsequently starts the calculation with the EUPHEMIA algorithm. The results of this calculation are subsequently shared and validated by each NEMO before the results can be published towards Market Participants with a preliminary status. After a last round of validations (mainly performed by the TSOs) the results are confirmed as firm and final.

- ○ Once the results are firm, they are sent to the Shipping Agents who will nominate towards the TSOs.

Production Timings **Test Timings**

	IDA1	Any IDA	
Pre-Coupling	16:00	**12:30**	IDA session created in the PMB
	16:30	**13:00**	Start of the Market Coupling Session in PMB
	16:45	**13:15**	Target Time for submitting the CZCs to EPEX SPOT on behalf of SEMOpx
	16:45	**13:15**	Target Time for submitting the Network Data file to the PMB
	17:00	*13:30*	*Latest time to start an IC for missing Network Data*
	17:15	*13:45*	*Deadline to declare the Full Decoupling due to CZC reasons (SEM-GB_IDA_ExC_04a)*
Coupling	17:30	**14:00**	PX Order book Gate Closure Time
	17:35	**14:05**	PMB GCT // Reception of all Order Data files in the PMBs → Start of Calculation
	17:40	*14:10*	*Latest Time to start an IC for Order Data-related reasons*
	17:47	**14:17**	Estimated time for the end of PMB/ Euphemia Calculation (could be earlier)
	17:49	**14:19**	Reception of Results in all PX Systems → Start of 7 min Preliminary Confirmation process
	17:56	**14:26**	Deadline to send the Preliminary Confirmations to the PMBs → Generation of GPC
	18:00	**14:30**	**Publication of Preliminary Results and sending of Results for validation to EirGrid/SONI --> Start of 5 min Final Confirmation process**
	18:00	**14:30**	**(If Preliminary Results are not available):** Sending of the delay message SEM-GB-IDA_ExC_02
	18:00	**14:30**	**(If price thresholds are reached): Declaration of Full Decoupling and cancellation of the IDA (SEM-GB_IDA_ExC_04c)**
	18:05	**14:35**	Target Time to send the Final Confirmation from EirGrid/SONI to EPEX on behalf of SEMOpx
	18:07	**14:37**	Deadline to send the Final Confirmations to the PMB
	18:09	**14:39**	Generation and sending of GFC
	18:10	**14:40**	**Publication of Final Results → Start of the Post-Coupling process**
	18:15	*14:45*	*Latest time to Start an IC in case of risk of Full Decoupling*
Post-Coupling	18:25	**14:55**	Trade files sent by EPEX to ECC (for EPEX GB and SEMOpx)
	18:30	**15:00**	Notifications sent by ECC (for EPEX GB and SEMOpx)
	18:30	**15:00**	**(If Final Results are not available):** Sending of the delay message SEM-GB_IDA_ExC_03
	18:50	*15:20*	*Deadline to declare the Full Decoupling and cancellation of the IDA due to technical issues (SEM-GB_IDA_ExC_04b)*

Please note: Timing is in IST/BST.

For a full list of the auction timings and market messages that will be issued as part of this session, please refer to the "SEMOpx Auction Timings and Market Messages" document contained on the SEMOpx website.

Please find below the updated test message timings that you will expect to receive during the test session.

External Message:

SEM-GB (IDA) Auction – Delay

Sending Time (GMT / IST)	Market Message Title	Communication
18:00 (IDA1) / 08:30 (IDA2 (real time) 13:45 (test time)	SEM-GB_IDA_ExC_02: Delay in Market Coupling Results publication for the Intraday Auction.	Please be aware that the publication of the Market Coupling Results is delayed until further notice. The Market Coupling Results will be published as soon as they are available. If needed, another delay message will be sent out.

External Message:

SEM-GB (IDA) Auction – Full Decoupling

Sending Time (GMT / IST)	Market Message Title	Communication
18:50 (IDA1) / 09:20 (IDA2 (real time) 14:00 (test time)	SEM-GB_IDA_ExC_04b Full Decoupling and Cancellation of the Intraday Auction.	Due to technical reasons or market issues, the SEM-GB areas are declared as decoupled. This SEM-GB Intraday Auction is cancelled and no local auction will be run for the SEM-GB areas.

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Registration process

- o Participants have been requested to provided the following information in order to register in the Market Trading System for this test:
- o Member Full Name, Member Shortname and ECC Code + contact details.

Environments to connect to

- o EPEX: ETS SIMU2

SIMULATION 2

Environment	SIMULATION 2
ETS version	3.4.6
ETS Server address	ets-simu2.svpx.epexspot.com port 4443
API hostname	ets-simu2.svpx.api.epexspot.com
API port	4444
API end point	https://ets-simu2.svpx.api.epexspot.com:4444/OpenAccess/3.2 (if using the 3.2 __ schema) https://ets-simu2.svpx.api.epexspot.com:4444/OpenAccess/3.3 (if using the 3.3.2 schema) https://ets-simu2.svpx.api.epexspot.com:4444/OpenAccess/3.4 (if using the 3.4.6 schema)
API WSDL version	WSDL v3.4 Supported API schemas: 3.2, 3.3.2, 3.4.6 To retrieve the WSDL : https://ets-simu2.svpx.api.epexspot.com:4444/OpenAccess/3.4?wsdl

Evaluation

In order to jointly learn and profit as much as possible from this joint training session, it foreseen to evaluate the session and to address the following questions

- o What went well?
- o What needs more attention?
- o Need for more training sessions?
- o Ideas for the future?

Reporting

The findings will be captured in a report that will be shared in due time.

Options

Depending on the Interconnector/border, the following Fallback solutions
may be used:

- o Capacity goes to the next Intraday Auction for the same Trade
  Date

Interconnector	Fallback solution
ROI – GB2 (EWIC)	Capacity goes to the next Intraday auction for the same Trade Date
NI – GB2 (Moyle)	Capacity goes to the next Intraday auction for the same Trade Date
NI – ROI	NI-ROI always remains coupled

Options

Depending on the local/regional procedures, the following Fallback solutions may be used:

- o Local auctions run by the relevant NEMOs
- o Auction cancellation