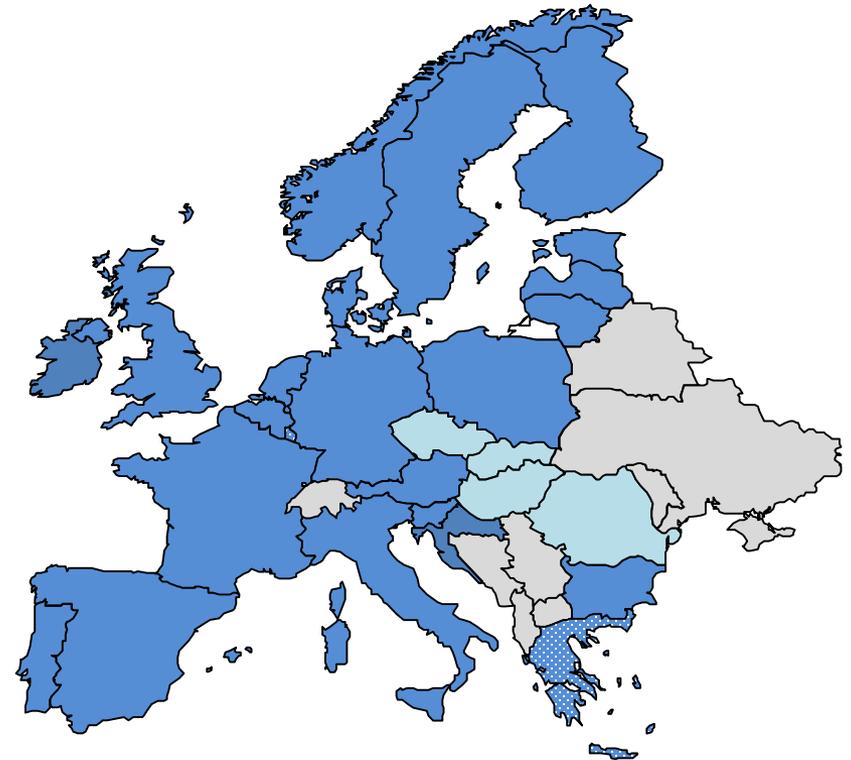




JSC – Physical meeting, 11th June 2019, Munich

Day-Ahead Joint Steering Committee meeting

Decoupling on 7th June





Decoupling 7th June

On June the 7th a partial decoupling took place in the MRC process

The decoupling happened due to missing order books at the decoupling deadline of the following Virtual Brokers:

EPEX-CWE

EPEX-GB.

This means that at 12.40 there was no order book for the CWE bidding areas and for the GB area managed by EPEX.



Decoupling 7th June

This caused a decoupling on the following borders:

SPAIN-FRANCE

ITALY-FRANCE

ITALY-AUSTRIA

SLOVENIA-AUSTRIA

SWEDEN-GERMANY

GERMANY-DENMARK

DENMARK-NETHERLAND

NORWAY-NETHERLAND

GREAT BRITAIN-NETHERLAND

GREAT BRITAIN-BELGIUM

GREAT BRITAIN-FRANCE

GREAT BRITAIN-IRELAND/NORTH IRELAND

GREAT BRITAIN1-GREAT BRITAIN2



Decoupling 7th June

The situation was handled in line with the current procedures for these cases. These are the chronological events of what happened in this situation:

At 11:45 EPEX SPOT informs TGE, (the Coordinator), on bilateral call, that they have some technical issues and their Order Data will be delayed

At 12:09 TGE asks EPEX SPOT regarding their missing Order Data, EPEX SPOT informs that issue still persist and Order Data will be delayed

At 12:10 TGE starts IC because of missing Order Data from EPEX SPOT

At 12:18 TGE sends message ExC_03a to all PXs (for EPEX_CWE, EPEX-GB and OMIE - OMIE is decoupled when EPEX-CWE is decoupled)



Decoupling 7th June

Around 12:40 EPEX SPOT informs that their local systems are running again, all PXs jointly agree to wait few minutes for missing Order Books from EPEX SPOT in order to avoid Partial Decoupling

Around 12:48 EPEX SPOT informs that their local systems are down again, so all PXs decide to proceed with Partial Decoupling, at 12:48 message ExC_04a is sent by TGE with information about decoupling of EPEX CWE, EPEX GB and OMIE and with information that remained PXs will reopen their order books at 12:50 for 10 minutes

At 12:50 TGE as coordinator starts the process of decoupling of VBs in PMB (EPEX CWE, EPEX GB and OMIE)



Decoupling 7th June

From 13:02 till 13:12 all remaining PXs update their Order Data in PMB and confirm their new version of files

At 13:13 TGE set new jointly agreed GCT to 13:15

At 13:15 Calculation process starts



Decoupling 7th June

At 13:18 Coordinator's PMB start distributing the Calculation Results

At 13:20 TGE sends the ExC_03b message

At 13:26 Global preliminary confirmation is sent

At 13:36 Global final confirmation is sent and MCS is finished



Decoupling 7th June

To summarize, an input data (order books from EPEX) was missing during the market coupling session.

It was the first incident of this kind, and everything from the process and common assets was correct and worked as expected.

MRC, ANDOA and PCR procedures were correctly followed.

Common assets (like PMB system) worked as expected when decoupling a virtual broker (in this case 2).

This decoupling had a big impact because the decoupled areas are in the center of Europe, separating Europe in several small coupling. If for example the decoupling would have affected OMIE, the impact would have been less relevant touching only France-Spain border.

Additional information provided
by EPEX: Root cause



Decoupling 7th June

On Friday 7 June, EPEX SPOT experienced a technical issue causing a chain of events that eventually led to decoupling of EPEX SPOT markets, cancellation of an erroneous set of local auction market results and the publication of new and final local results.

The root cause at the beginning of the chain of events was a corrupt order entered into the ETS system unintentionally.



Decoupling 7th June

Additional information provided by EPEX: Root cause

The chain of events can be divided into two parts: one concerning the decoupling incident, the other concerning an incident on the local auction.

1- Decoupling incident

From 11h39 onwards, EPEX SPOT experienced a technical issue with its ETS system, initiated by the corrupt order which caused an ETS server lock. Once the server was unlocked, the corrupt order was removed followed by a restart of server. The same corrupt order was again unintentionally introduced, despite EPEX SPOT's request to the market participant not to do so. This caused a chain of events which led to multiple server locks resulting in a delay of order book submission on EPEX SPOT side. This delay meant that the deadline of 12h40 for partial decoupling, as defined in the PCR procedure, was reached and partial decoupling was declared at 12h49.



Decoupling 7th June

Additional information provided by EPEX:

Root cause

2- Local Auction:

This partial decoupling of CWE and GB from Multi-Regional Coupling (MRC) means that, according to the procedures, local auctions are run for each local national market area.

The fixing measure applied to remedy the issue of the corrupt order resulted in a further IT issue and subsequently led to the publication of erroneous market results.

Upon later detection, the erroneous results were cancelled, and the orderbook was re-opened until 14h35. EPEX SPOT then calculated market results based on a complete order book set and final results were published at 15h38.

At 15h49, EPEX SPOT sent the trade results to ECC which in turn validated all transactions. All nominations and payments were consequently completed and settled correctly.



Decoupling 7th June

Additional information provided by EPEX: Root cause

In order to permanently remedy the underlying root cause, ETS system updates have been issued. After successful testing, these updates were deployed in ETS at 19h30 on the same day, in order to secure the continued robustness of the trading system.

All technical issues on ETS have been fixed and the EPEX SPOT markets have been running smoothly since.



Decoupling 7th June

Additional information provided by EPEX:

Root cause

After the first local auction calculation, the “second auction” procedure was not triggered due to

- the exceptional market circumstances: partial decoupling and running local auctions
- the automatic checks performed showed that the prices make sense given the order book
- the time pressure of nomination gates