



Working Group EMD&SO

28/11/2018

Agenda

1. **Developments in different CCRs**
2. Developments of methodologies on EU level
3. Developments on multiple NEMOs
4. XBID
5. Nemo Link: first SPAIC results

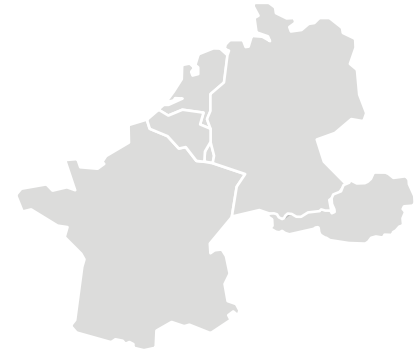
Update on the developments in the different CCRs



Core:

1. Day Ahead and intraday Flow-Based method:
 - The amended proposal of the Core TSOs (September) was escalated by the NRAs to ACER. ACER plans a final decision on February 2019 and will publically consult on the proposal.
2. Long Term capacity calculation and split rules:
 - TSOs have launched the work on the Core Long-Term capacity calculation methodology
 - TSOs need to develop the splitting rules (how to split long term capacity between different timeframes), TSOs plan to ask input from market parties via a questionnaire.
3. Fallback procedures:
 - Updated the fall back procedures - Shadow allocation rules for Core → only impact for the 4MMC region; the updated SAR will also be published on JAO.
4. Core re-dispatching and countertrading methodology (CACM Art. 35) and cost sharing (Art. 74)
 - Core TSOs were not able to respect the CACM deadlines and hence escalated to EC
 - TSOs and NRAs are working on the methodologies

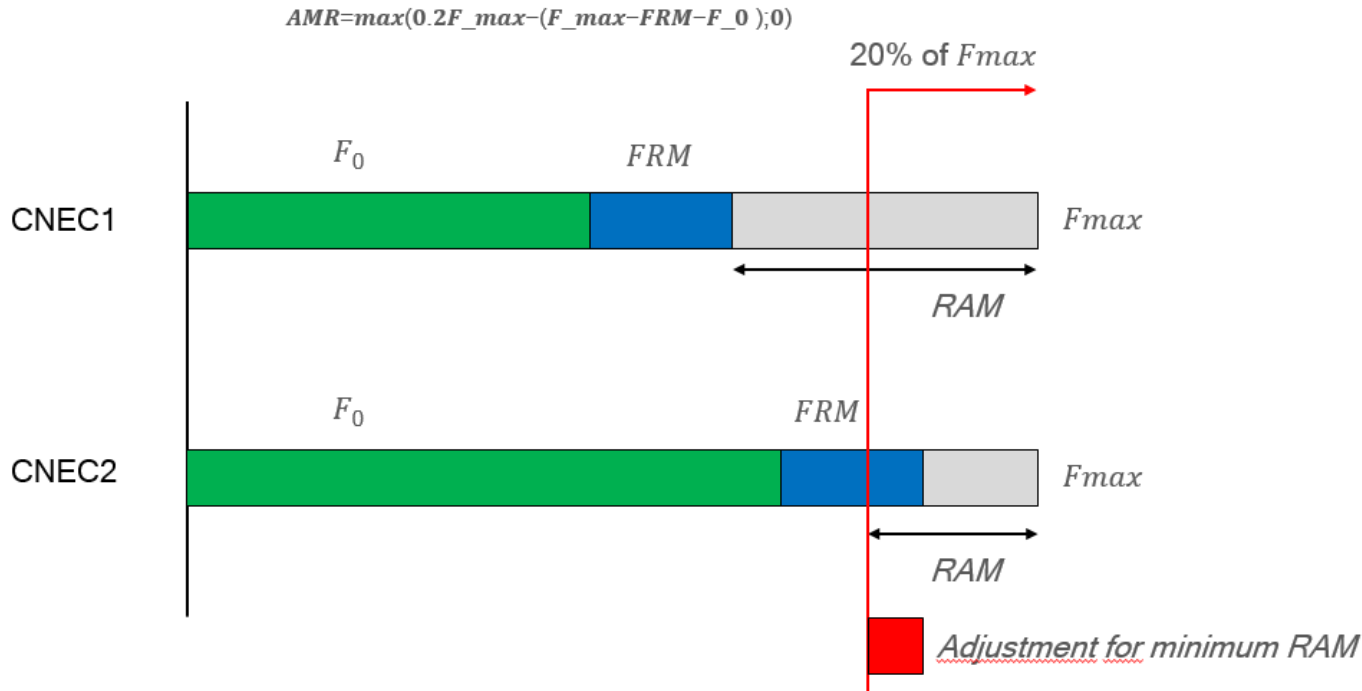
Update on the developments in the different CCRs



CWE:

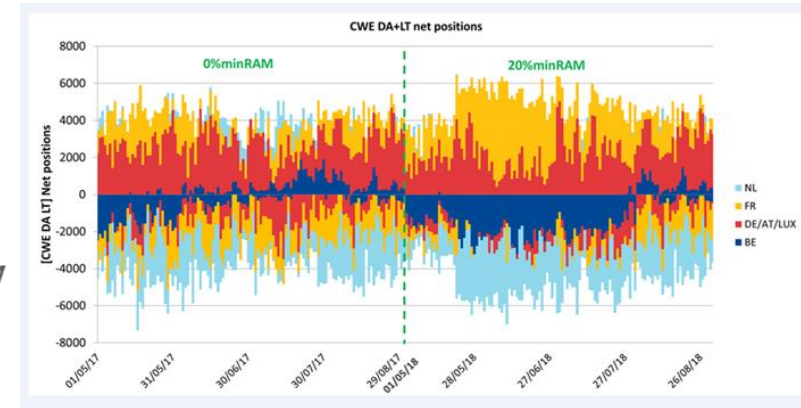
1. CWE Flow-Based day-ahead
 - Application of 20% MinRAM since end of April 2018 (next slide)
 - DE/AT bidding zone split went live on 1/10/2018. No operational problems were experienced.
 - CWE TSOs have updated the approval package to reflect recent changes
2. CWE TSOs have received several requests from market parties to enhance transparency. TSOs acknowledge the issues raised by market parties and are working, together with NRAs, on finding a solution
3. CWE Flow-Based ID Capacity Calculation
 - Updated methodology was submitted to NRAs
 - Implementation is challenging

Application of 20% min RAM in CWE

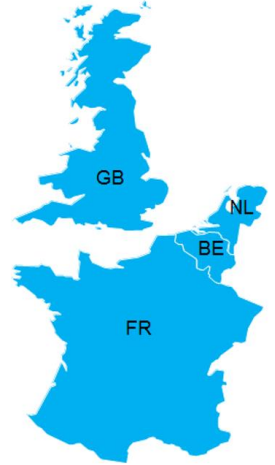


Observed impact of 20% min RAM:

- Congestions moved more to the border and lines with high(er) PTDF threshold
- Lines which were less affected by cross-border exchanges (i.e. low PTDF threshold) are blocking much less
- Increase in CWE exchanged volumes



Update on the developments in the different CCRs



Channel:

1. DA and ID Capacity Calculation Methodology:
 - TSOs submitted second amended version; NRA decision expected by 28/11
2. RD and CT Methodologies (incl. cost sharing):
 - 1st update after RfA send to NRAs 23/11. Approval expected 26/1/2018.
3. Design of LT transmission rights and LT explicit nominations proposal were approved by NRAs
4. TSOs are working on Channel LT CCM and splitting rules (consultation early 2019)
5. DA Fallback allocation:
 - Decision by NRAs expected 1/12/2018
6. Specific Nemo Link:
 - Border specific annex to the HAR: Approval expected Jan 2018
 - Explicit nominations rules for DA Fallback allocation: Approval expected Jan 2018

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Update of developments on methodologies on EU level

1. Decision by ACER on the IDCZGOT/GCT (intraday cross zonal gate opening time / gate closure time):
 - EU wide harmonisation of GOT to 15h00 (as of 1/1/2019)
 - In Belgium ID CZ GOT of 15h00 will be implemented on 1/1/2019
 - No capacity offered on the borders since ID capacity is not calculated yet by 15h00
2. Intraday cross-zonal capacity pricing
 - NRAs escalated the method to ACER in July 2018 (ACER has 6 months to decide)
 - Discussion on the number of intraday auctions (IDA), their timing and whether or not to have continuous trading split in discrete periods
3. NEMO methodologies were decided by ACER (DA & ID Algorithm proposal, min-max prices,...)

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Update on multiple NEMO developments in CWE and Belgium

- Nominated Electricity Market Operator → ~ Power Exchange (PX)
- BE MNA approved 22/12/2016 – aligned with other CWE MNA (preferred shipper)
- MCO plan (NEMOs) approved 14/6/2017
- Nord Pool and EPEX were designated as NEMOs in Belgium
- Day-ahead implementation:
 - Implementation ongoing and expected in 2019
 - Changes are required to PCR algorithm
 - Pre-merge of order books of both NEMOs in PCR
- Intraday implementation:
 - XBID is by design “multiple-NEMO” compatible → ID is multiple NEMO since XBID go live (06/18)

LIPs part of initial go-live:

LIP	Participants
1	Nordic Fingrid, Energinet, SvK, Statnett, Nord Pool, EPEX
2	Kontek Energinet, 50Hz, Nord Pool, EPEX
3	DK1/DE, DE/NL Energinet, TenneT NL & DE, Amprion, EPEX, Nord Pool
4	NorNed Statnett, TenneT NL, EPEX, Nord Pool
5	FR/DE, DE/AT Amprion, TransnetBW, APG, RTE, EPEX, Nord Pool, Tennet DE
6	NL/BE Elia, TenneT NL, EPEX, Nord Pool
8	FR/BE RTE, Elia, EPEX, Nord Pool
9, 12	FR/ES& ES/PT RTE, EPEX, OMIE, REE, REN, Nord Pool
13	Baltic Elering, Litgrid, AST, Fingrid (Estlink), Svenska Kraftnät (NordBalt), Nord Pool



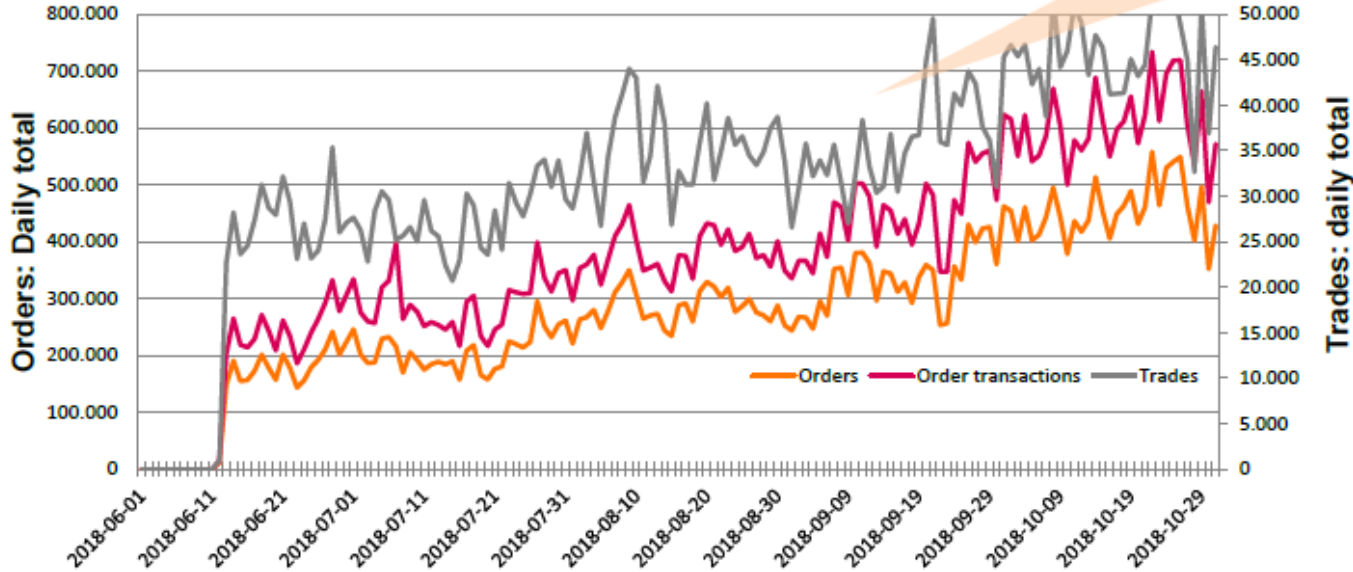
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XBID: status

2. Feedback Market Parties on XBID operation Development orders and trades since XBID go-live

- Liquidity is still increasing
- 46 k trades per day
- Average netted trade 4 MWh
XBID volume is ~3 % of MRC DA



- XBID went live on 12th June with first deliveries on 13th June. The project parties consider Go-live as a significant success with all 1st go-live parties/ Local Implementation Projects (LIPs) able to operate as planned
- Average trading volumes show growth from Go-Live to a new high of 1.4 million trades in the month of October 2018

Term	Description	Definitions and computation details
Orders	Total daily number of Orders (incl. Block Orders) and total daily number of Order Transactions (including Block Order Transactions) per given day.	<ul style="list-style-type: none"> • Order is defined as order entry. • Order Transaction - means the Order entry (including activation of new iceberg slice), Order modification (including Order activation and deactivation) and Order deletion (excluding Order deletions due to contract expiration); partial matches as well as full Order executions are not to be considered as Order Transaction. Events triggered by or during MA/DA halt, Market Halt, Suspend user, activation of dispute state are not counted as Order Transaction;
Trades	Total daily number of Trades (incl. Block Trades) per given day as well as hourly number per given hour.	Daily Trades - means the Transactions concluded after the matching of two (2) Orders within one (1) Trading Day;

XBID: status

6. 2nd wave LIPs and high level planning Overview 2nd wave LIPs and parties involved

LIP	Participants
15	<p>NEMOs: BSP, Cropex, EPEX, HUPX, IBEX, Nord Pool, OPCOM, OTE</p> <p>TSOs: 50Hertz, APG, CEPS, ELES, ESO, HOPS, MAVIR, PSE, Transelectrica, TTG</p>
16	<p>NEMOs: EPEX, Nord Pool, TGE</p> <p>TSOs: Litgrid, PSE, Svk</p>

- Operational
- Operational, part of 2nd wave
- 2nd wave



Project Parties are focusing on 2nd wave go-live (planned for summer 2019) and the future development of the XBID solution.

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