

Core Consultative Group meeting

Minutes of meeting

22 April 2021
Conference call

Participants

Approx. 90 participants from Market Parties, Associations, NRAs, NEMOs plus TSO representatives (as presenters of the topics).

	PARTICIPANTS	REPRESENTING	COUNTRY		PARTICIPANTS	PARTICIPANTS	
	H. ROBAYE	Co-chair CCG Core MPs (Eurelectric)	Belgium	Market Parties	ZVONIMIR CRNJAK PAUL PONTENAGEL B STIPE Z. BUKOVSKY O.LORIG J.GAJAR R.VAN OFFEREN H SCHESSL R.DRAGUNOVA K.LUEBBERS S. BREINEBJERG JENSEN A.GUTH L.SYKORA J.HRBAN D.LIPUSCEK D.NAGY	S.MCCARDAL-KILBY NEJC PLATISE VESNA ZUPANC J.GLARBO MOLLER H. FARZAM M.HALUZAN G.LACZKO L.WITTHEN L.WACHTER A.LONCAREK RAJSL G.OSOLIN DUBRAVKA A.FLEIG B.VANDERVEKEN	
	F. JUDEX	Energieallianz	Austria		R. OTTER	Co-chair CCG Core TSOs (Tennet BV)	Netherlands
	F. BENKO	Verbund	Austria	Core TSOs	G.MEUTGEERT	Convener FBDA CC	Netherlands
	K. FRITZ	BMK	Austria		L.WITT	Convener STK WG	Belgium
	G. BERETITS	TIWAG	Austria		B. GENET	Core TSO expert	Belgium
	M. WATSCHER	Oesterreichsenergie	Belgium		W.SNOEREN	Core TSO expert	Netherlands
	A. GRUBER	Citadel	Belgium		M. SCHRADER	Core TSO expert	Germany
	O. VU DAC	Engie	Czech Republic		J. SZCZEGLOW	Core TSO expert	Poland
	G. MAES	CEZ	Czech Republic		S. MATEUSZ	Core TSO expert	Poland
	T. KANOVSKY	Amper Market	Denmark		A. GLUSZEK	Core TSO expert	Poland
	M. ZADAK	Energinet	Denmark		R. SCHNEIDER	EXAA	Austria
	J. STENPORT NØRGAARD	Danske Commodities	EU	Core NEMOs	O.MACA	OTE CR	Czech Republic
	S. ROESGAARD NIELSEN	EFET	EU		G.ION	OPCOM	Romania
	J. Le PAGE	MPP	EU		T.BATAVIER	ACM	Netherlands
	H. MARCIOT	Uniper Energy	France	Core NRAs	N.SCHOUTTEET	CREG (Lead Core NRA)	Belgium
Market Parties	M. BONDE	EDF Trading	France		B.DAVOR	HEP	Croatia
	J. MICHEL	MVMP	Hungary		A. GÉRARD	CRE	France
	Y. PHULPIN	Montel	Norway		A. POANTA	ANRE	Romania
	B. AJRELIEN	Fortum	Poland	JAO	S. RAHMAN	JAO	Luxembourg
	A. MARTON	Info Engine	Poland	PMO	A.VAN DER MARK	Magnus RED	Netherlands
	L. BALAZS	Tauron	Poland				
	H. PREIN MOESTUE	HSE	Slovenia				
	B. OPALINSKA	Interenergo	Slovenia				
	R. MASIN	SEAS	Slovakia				
	P. NALEPKA	BKW	Switzerland				
	M. PIRNAT	CCI	Turkey				
	M. CHINGOSKA	AXPO					
	G. BICZEL	GETENTRA					
	M. OTRUBA	Ayen					
	N.DZUGASOVA						
	A. TUPAK						
	A.DOUUCY						
	J.BAUER						
	T.KRZYZEWSKI						
	P. OLGIER						
	S. FARZAMBEHBOUDI						

1. Welcome and introduction

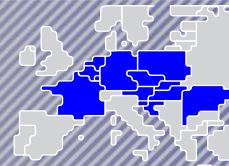
Co-chairs H.ROBAYE (Market Parties) and R.OTTER (Core TSOs) and open the meeting and welcome all participants from Market participants, associations, NEMOs and NRAs to the Core Consultative meeting.

The session file can be found at ENTSO-E website, Core section: https://www.entsoe.eu/network_codes/ccr-regions/#core

2. Core FB Day Ahead Capacity Calculation and Market Coupling

Note: The minutes below summarize the discussion and conclusions of the meeting. For the full array of questions raised and respective answers, please check the recording files (There are three files for this meeting, for ease of following a respective topic only).

This session has been recorded and can be found at ENTSO-E website, Core section: <https://www.youtube.com/watch?v=v0YSS-ndu8o&list=PLP7fkvyH8qQfGKScFamdDU3Ex4FLw36y>



Core FB DA MC roadmap, important milestones and current status

Session started at min 2.20 on the recording. Slide 4-6 in the Supporting document.

M.PREGL, leading the Core TSOs and NEMOs joint working group informs on the general status related to Core FB MC and CC, project's roadmap and upcoming milestones and answers questions from MPs. The project is on track and project members feel confident regarding the start of the testing.

Fallback solution

Session started at min 15.15 on the recording. Slide 7-9 in Supporting document.

M.PREGL informs on the Core FB MC go live fallback solution and presents potential improved target solution.

In the flow-based context it is in principle not possible to decouple one bidding zone from the rest in case of failure of an order book in one bidding zone. However, this is deemed not acceptable, and solutions have been investigated to isolate a bidding zone in case of an order book failure. Core FB MC project parties currently analyze two main options for Fallback solution :

Option 1 (preferred, but seems challenging to implement before Go-live): all the borders remain coupled except those (External or Internal) connecting the affected Bidding Zone.

Option 2: external borders remain coupled, and Core internal borders will be decoupled

Conclusion

Core project parties will assess in the coming period if it is feasible to develop, test and implement the preferred [option 1](#) Fallback solution prior to Core FB DA MC Go Live. If it will be concluded that the implementation of option 1 will not be feasible prior Go-live (by July 2021) then option 2 will be implemented for Go-live, and option 1 will be implemented as soon as possible after Go-Live. Core Market Parties will be informed on the outcome of the assessment as soon as available.

Core MPs highlight that the fallback would be triggered either if an orderbook is missing in a bidding zone with only one NEMO or, for bidding zones with multiple NEMOs, only if all orderbooks are missing. Otherwise, in a bidding zone with multiple NEMOs, if one orderbook is missing, that NEMO is decoupled, and Core FB market coupling is not affected.

External parallel run

Session started at 44.00 on the recording. Slide 10-16 in Supporting document.

G. MEUTGEERT informs on current status and the overview of disclaimers/ assumptions considered during this EXT//run.

Since November 14th 2020 (Business day 16/11/20), Core TSOs started a progressive transition to the EXT // run and results that are deemed sufficiently representative were published weekly on JAO (Publication Tool) <<https://core-parallelrun-publicationtool.jao.eu/>>. In March 2021, improvements of the different systems have been deployed, to increase the operational stability of the process and allow for daily computations and publication. He announces that due to a bug, results have been computed but were not published in the publication tool since BD 26/03. A fix will be prepared and TSOs will check if output files can be manually changed to ensure they can be processes at JAO for publications.

He informs that the NRAO module is not yet deployed (planning on when it can be deployed will be finalized this month). Difference in results is expected once NRAO module is integrated.

A JAO Publication Tool handbook was also created by Core TSOs to support Core MPs navigate and better understand the results (available on JAO website).

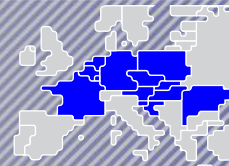
The KPIs (sixteen) have started to be published on JAO website and updated reports are currently being prepared and will be shared with Core MPs in the next weeks.

Core MPs ask to what extend these results are representatives and whether they would be recomputed once all modules are being deployed. Core TSOs answer that the results are already representative, although with limitations (i.e. NRAO currently unavailable). More representative results are expected before July 2021, to allow for six months EXT//run.

Some MPs ask Core TSOs to publish the impact of the parallel run, on forward prices. Core TSOs reply that this kind of market analyses is not the task of the TSO.

Core NRAs expressed their satisfaction with the approach to start early with publications.

Core TSOs confirm the recomputation of current BDs is not in scope as the operational processes cannot be replicated.



Core project aims to have NRAO included in the next months. Exact planning for its deployment to be finalized and communicated to Market Parties by May 2021.

Some MPs ask to publish the impact of the parallel run on forward prices. Core TSOs reply that this kind of market analyses is not the task of the TSO.

ACTION

- Core TSOs to investigate whether the "LTA domain" can be shared.

This session has been recorded and can be found at ENTSO-E website, Core section:

<https://www.youtube.com/watch?v=sy6UGrDrOtQ&list=PLP7fkvyH8qQfGKScFamdDU3Ex4FLlw36y&index=2>

Publication tool

Session started at 00.10 on the recording. Slide 16 in Supporting document.

G. MEUTGEERT informs that there are pending developments to allow for publication of all flows:

- Development of the pre-coupling flows is projected to be complete by the end of May 2021.
- Development of the post-coupling flows is planned over the summer months

MPs indicate that the publication tool is very slow. JAO representative acknowledges that and indicates that this is being improved.

Increasing Transparency FB MC in European Electricity Trading – Barriers, Solutions, and Key Indicators

Session started at 10.25 on the recording. Slides 18-24 in the Supporting document

A. Holzmann, K. Knaus (Austrian Energy Agency) present the results of a study commissioned by Oesterreichs Energie, with the objective to provide to TSOs specific suggestions with regard to accessibility and understanding of published data (with also a focus on quick wins). The full study can be downloaded at: AEA/OE Study: Increasing Transparency for Flow-Based Market Coupling in European Electricity Trading

https://oesterreichsenergie.at/fileadmin/user_upload/IncreasingTransparencyForFBMC_20201216.pdf

Core MPs welcome and support the outcome of this study (and welcome the focus on comprehensibility and predictability of data). Core TSOs acknowledge the message of the study. Indeed it is very important to reach a wide range of market parties with suitable information. It is a lot of work to do it to the full extend. Therefore Core TSOs propose to start with small quick wins and develop further.

ACTION:

- Core CG Co-chairs will come forward with a proposal to organise this.

Update of the Core Static Grid Model based on the results of the Public Survey

Session started at 41.40 on the recording. Slides 25-26 in the Supporting document

G. MEUTGEERT presents the outcomes of the public survey on the Static Grid Model. Core TSOs prepared a proposal based on the outcomes of the Survey (slide 27).

In Core TSOs' view, providing input to allow Market Parties to perform forecasting, is part of the vision behind the static grid model, but taking-over – partly – the forecasting is not seen as a responsibility of Core TSOs.

Core MPs ask to have the Static Grid Model aligned with the format of TYNDP publication at ENTSOe. An xml format is easy to read but not easy to interpret. A preferred format would be a CGNS format. Three dimensions are still missing from current static grid model: a nodal distribution of generation and demand (while noting it is complicated to share this sensitive data), operational configuration of costly RAs in different scenarios and a harmonized format allowing for commercial use to optimize.

Core MPs also request a report of the survey so that MPs can understand why some requests cannot be part of the shared data (i.e generation and load data).

Core TSOs state that for the moment the current approach will not be altered. Further development could be discussed in the transparency approach discussed in the agenda item before.

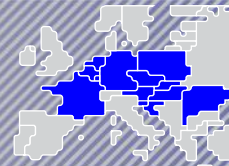
ACTION:

- Core TSOs to publish the report of the survey depicting why some requests cannot be part of the shared data (i.e. generation and load data)

3. Core Intraday Capacity Calculation and Allocation

This session has been recorded and can be found at ENTSO-E website, Core section:

https://www.youtube.com/watch?v=oLEfR9uyq_s&list=PLP7fkvyH8qQfGKScFamdDU3Ex4FLlw36y&index=3



Intraday Capacity Calculation and Allocation

Session started at 2.15 on the recording. Slides 28-30 in the Supporting document
W.SNOEREN (FC ID expert) presents the Core FB ID process, the Core FB ID CC roadmap, key milestones and current status. He highlights that the intra-day process has similarities with the day-ahead process from a capacity calculation perspective.

Implementation is on schedule, with delivery in two steps:

- 1st computation @22PM D-1 by 02/2023
- 2nd (re-)computation @10AM on BD itself by 02/2024

The INT//run is currently expected by October 2021, the EXT//run during Q2 2022, and the first step Go-live scheduled for 01/02/2023.

Core MPs ask how the allocation of FB capacities will work in a continuous market, how will the full domain be recalculated with each new trade. Core TSOs respond that the FB IDCC domain is delivered during the ID auction, moment in which the trading will be paused for a specific period of time, then the NP inside this domain will be shifted to the already allocated capacities and from that moment on, during continuous trade, there will be only a shift of the NP within the FB domain, thus no recalculation. Only recalculation of available capacities, but not of the domain itself. Furthermore, the allocation part in ID is under the responsibility of SIDC, also the development of FB continuous trading, so not in the scope of Core TSOs.

ACTION:

- Q3 2021: Core TSOs to prepare a detailed explanation of the continuous flow based IDCC process, with examples, for the next Core CG meeting.

Core ID Allocation improvements

Session started at 33.00 on the recording. Slides 33-40 in the Supporting document
J.LE PAGE (EFET) presents EFET members' feedback on the Core ID Allocation improvements.

Core TSOs appreciate the positive feedback and acknowledge that the wider stakeholder involvement in all the market integration processes in Core needs improvement.

ACTION:

- Q3 2021: Co-Chairs to align with the SIDC project (and MESC) on effective stakeholder management in all aspects of market integration to further exchange information on new developments in e.g. the SIDC project and the gaps in information in between the projects (i.e. detailed design on continuous allocation).

4. Regional Operational Security Coordination and Cost Sharing

Goal of the ROSC+RAO and main challenges

Session started at 41.30 on the recording. Slides 42-43 in the Supporting document

P.SCHÄFER (RD&CT expert, Amprion) informs on ROSC and CS project status and what to expect as next steps in the project. Core TSOs are still at the beginning of the implementation of the ROSC methodology. The main goal is to ensure a level playing field (No national Remedial Actions should discriminate against foreign actions). Main challenges identified are with regards to the firm provision of RA potential as input to the RAO, to prevent fast activation, uncoordinated costly RA and inter-CCR coordination.

Market Parties mention that as redispatch is treated differently in Core countries this may create an unlevel playing field.

ACTION:

- Q3 2021: Core TSOs to prepare a detailed presentation on the integration of none-superposable RAs (topological measures) in global optimization for the next Core CG.

In the 2nd version of the Core ROSC (2025), Core TSOs plan to run Coordinated Regional Operations Security Assessment (CROSA):

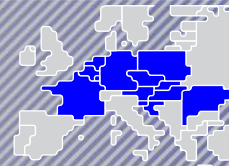
- One CROSA in DA (starting at 18:00)
- Three CROSA in ID (00:00, 08:00 and 16:00)
- Fast activation process where it is not possible to wait for next CROSA

The process of the DA CROSA is explained (as per slide 45).

Overview of the Cost-Sharing process to be implemented

Session started at 59.55 on the recording. Slides 44-49 in the Supporting document

P.SCHÄFER explains the Cost-Sharing process, as depicted on slide 46 and the Regulatory context. Core TSOs have underlined to ACER that the implementation timeline decided is very challenging, if not impossible,



and have prepared a realistic planning (Go-live of ROSC V1 + CS in April 2024 and a ROSC V2 in 2025, with all ACER requirements.

ACTION:

- Q3 2021: Core TSOs to prepare a presentation on the effect of the ID cross-zonal capacities of CROSA.

5. AOB & closure

Next Core Consultative Group meeting

Co-Chairs indicate that the next Core Consultative Group meeting is foreseen in Oct-Nov 2021, with an additional short call focused on the Core FB DA CC EXT//run around June 2021. Exact date to be confirmed.

R.OTTER reminds the communication channels for Core CCR and Market Coupling project.

- **Core section on ENTSO-E website** (e.g. upload of methodologies and reports on public consultations, current status of the Core CCR program, CG minutes):
 - Link: https://www.entsoe.eu/network_codes/ccr-regions/#core
- **ENTSO-E newsletter** informs regularly about updates in the different CCRs (e.g. submitted methodologies, launch of public consultations, ...)
 - Subscription via <https://www.entsoe.eu/contact/>
- **Q&A forum on the JAO website** which gives space to Market Participants to ask questions about the External Parallel Run and other relevant topics:
 - Link: <http://coreforum.my-ems.net/>

R.OTTER thanks all participants and informs MPs that the minutes of meeting as well as the recorded session will be finalized with the co-Chairs and published on the ENTSO-E website.