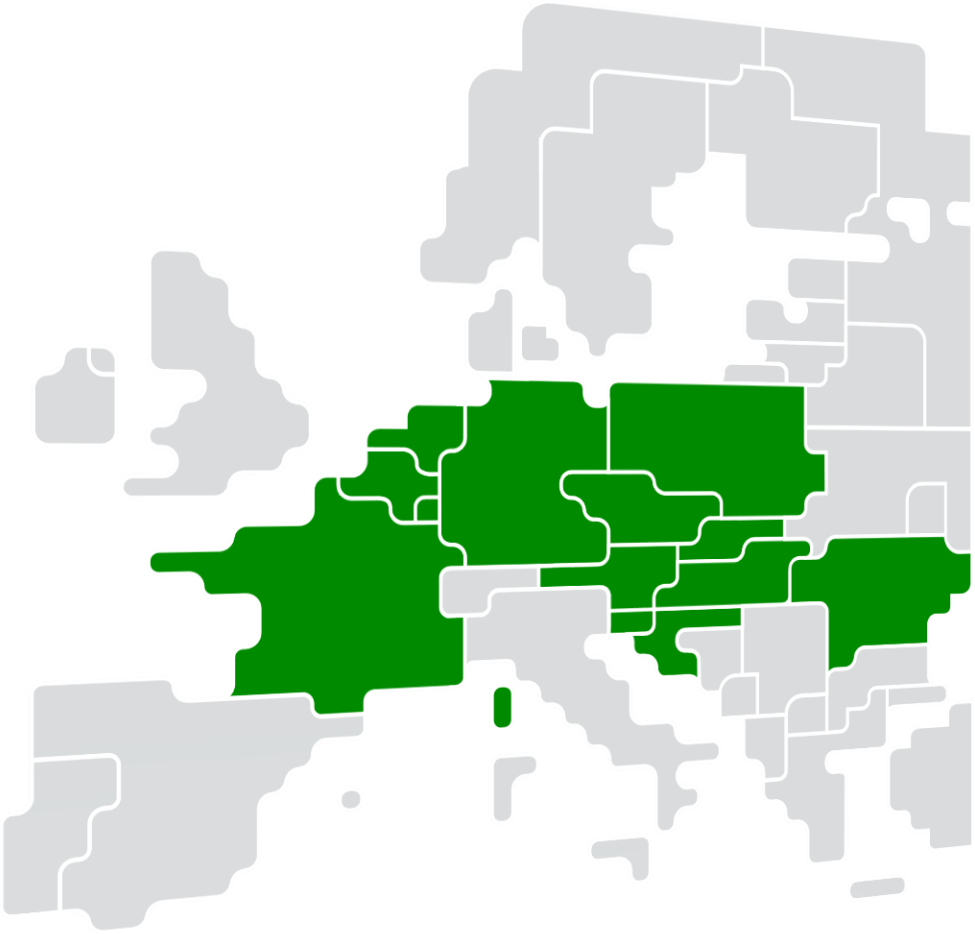
Core Consultative Group meeting

7 July 2021, 13:00 – 16:00

MS teams web session



1. Welcome and Introduction

Practicalities, announcements and reminders

R.OTTER/
H.ROBAYE

Co-chairs

Helene ROBAYE (Market Participants, Eurelectric)

Ruud OTTER (Core TSOs, Tennet BV)

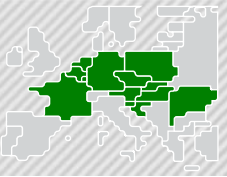
Practicalities

- During meeting
  - Use of ‘hand’ function will facilitate all participants to have the opportunity
  - Use of ‘chat’ function will give opportunity to address all questions and will facilitate proper tracking and answering
- Follow up
  - Minutes and final meeting documents will be shared with CCG distribution list
  - JAO Q&A forum
- MS teams workshop and Q&A will be recorded and made available for all Market Participants
- A glossary is provided in the Appendix

1. Welcome and introduction

Agenda

R.OTTER/
H.ROBAYE

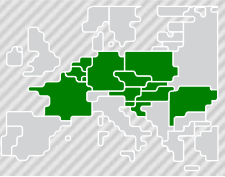


	SUBJECT	WHO	TIMING
1	**Welcome and introduction** • Announcements and reminders	R.OTTER/ H.ROBAYE	13.00 – 13.15
2	**Day Ahead Capacity Calculation & Market Coupling** • DA CCM amendment by Core NRAs *Objective: inform on the by Core NRAs amended DA CCM*	Core lead NRAs	13:15 – 15:15
	• Core FB DA MC roadmap, important milestones and current status *Objective: inform on the general status related to Core FB MC and CC, what to expect and outlook for after summer* • Fallback solution *Objective: inform on the concluded Core FB MC go live fallback solution* • External parallel run *Objective:* *Inform on current status, disclaimers/assumptions document, challenges, give outlook* *Zoom in on the EXT//run results and KPIs*	M.PREGL/ G.MEUTGEERT	
3	**Information access in Core** • Next steps in improving access to information • Preparation for Core Flow Based go-live	R.OTTER/ H.ROBAYE	1515-15:45
4	**Interim Coupling Project** *Objective: inform on Go-live and Status update*	M.TURCIK	15:45-15:55
5	**AOB & closure** • Q&A forum on JAO website • Next CCG meeting October 2021	R.OTTER/ H.ROBAYE	15:55 – 16:00

2. Day Ahead Capacity Calculation & Market Coupling

DA CCM amendment by Core NRAs (1/2)

Core NRAs



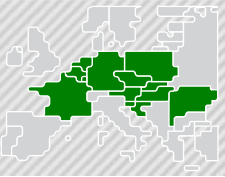
Core NRAs unanimously agreed to make use of competence of direct amendment by NRAs under Art. 5(6) of the ACER Regulation and adopt following Articles of the proposal submitted by Core TSOs:

- Article 1 – CGMES
  - Minor adaptation of the definition
- Article 3 – extended LTA-Inclusion
  - Mandatory application of the extended LTA for all Core TSOs from the very beginning of DA CCM, with a possibility for a temporary (and justified towards Core NRAs) appliance of LTA margin approach as a rollback solution
- Article 4 – 3rd country consideration
  - Defines framework and requirements for consideration of non-Core countries. Three types: SHC, AHC and (new) enhanced cooperation in DA CCM
  - AHC development – Article 13(3)(c) – the time limit for the proposal for the implementation of the AHC has been shortened from 18 months to 6 months
- Article 5 – Validation of flow-based parameters
  - Letter (i) in Art 20(13) shall not be removed, i.e. proposed measures to avoid similar reductions in the future shall be contained in the quarterly report provided by CCC

2. Day Ahead Capacity Calculation & Market Coupling

DA CCM amendment by Core NRAs (2/2)

Core NRAs



TSO proposal after consultation (submitted in November 2020) can be found:

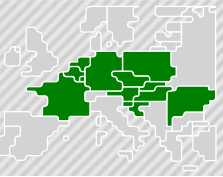
https://eepublicdownloads.entsoe.eu/clean-documents/nc-tasks/CORE%20-%2020.1%20-%20TSOs%203rd%20proposal.pdf

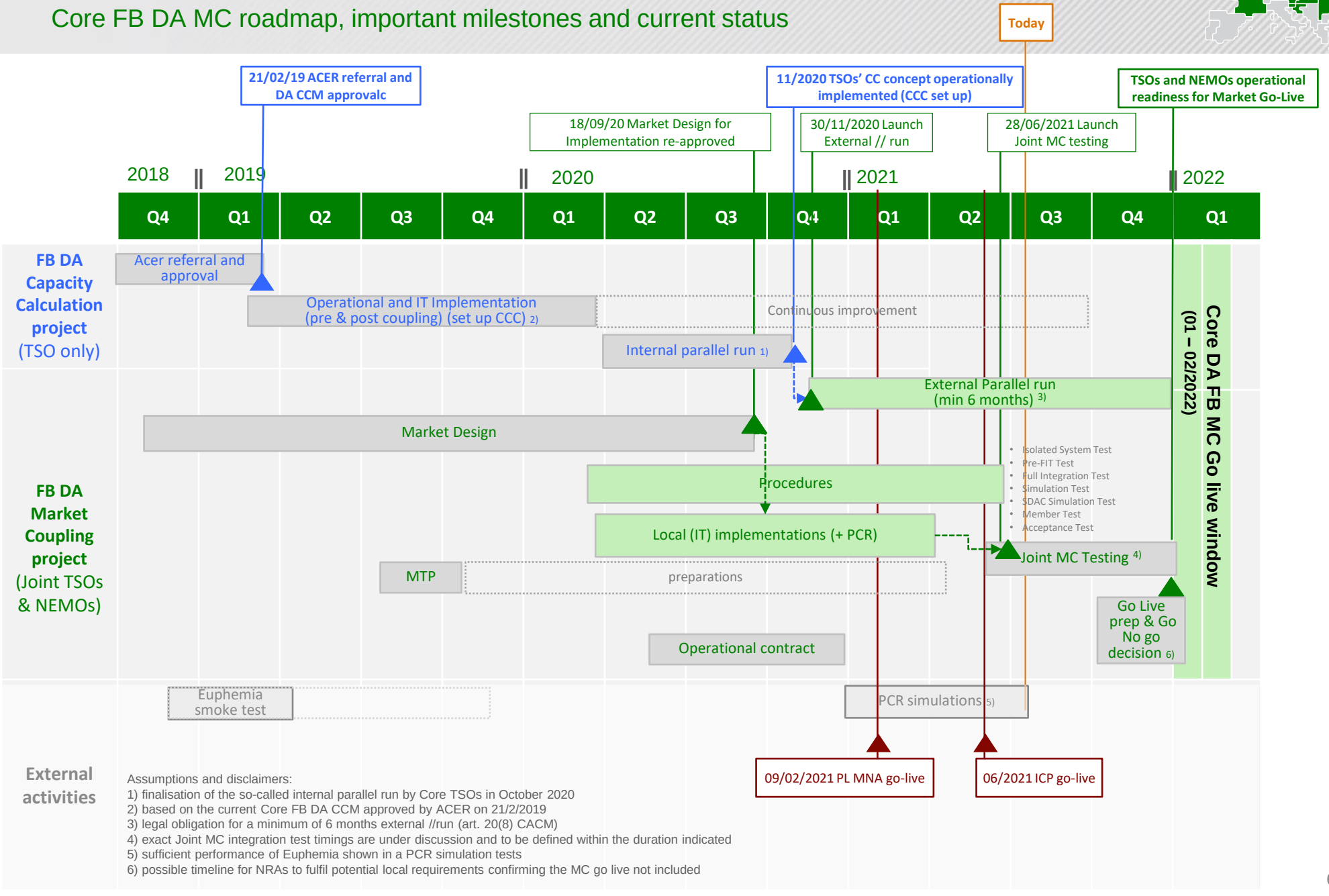
NRAs have published the decision on the individual web sites.

2. Day Ahead Capacity Calculation & Market Coupling

Core FB DA MC roadmap, important milestones and current status

M.PREGL



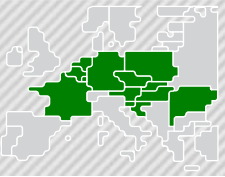


Assumptions and disclaimers:
1) finalisation of the so-called internal parallel run by Core TSOs in October 2020
2) based on the current Core FB DA CCM approved by ACER on 21/2/2019
3) legal obligation for a minimum of 6 months external //run (art. 20(8) CACM)
4) exact Joint MC integration test timings are under discussion and to be defined within the duration indicated
5) sufficient performance of Euphemia shown in a PCR simulation tests
6) possible timeline for NRAs to fulfil potential local requirements confirming the MC go live not included

2. Day Ahead Capacity Calculation & Market Coupling

Core FB DA MC roadmap, important milestones and current status

M.PREGL



High-level planning, associated progress and status

ID	Activity	Start	Duration [days]	Finish	Progress	
CRITICAL EXTERNAL MILESTONES/ DEPENDENCIES						
CORE FB MC PROJECT						
1	CORE COMPATIBILITY ASSESSMENT	01/06/2017	122	01/10/2017	Closed	100
2	PROJECT SET UP	20/08/2017	42	01/10/2017	Closed	100
3	MARKET DESIGN	02/07/2018	575	28/01/2020	Closed	100
4	PROCEDURES DESIGN	15/04/2019	470	28/07/2020	In progress	93
5	SIMULATION & VALIDATION	02/03/2019	940	27/09/2021	In progress	50
6	EXTERNAL PARALLEL RUN	01/09/2018	1.229	12/01/2022	In progress	72
7	EXTERNAL IMPLEMENTATION (to be managed by different projects)	03/10/2018	1.185	31/12/2021	In progress	76
8	MERGER WITHIN SDAC	03/10/2018	1.037	05/08/2021	In progress	68
9	MC TESTING	15/06/2019	965	04/02/2022	In progress	28
10	FINAL MARKET DESIGN AND PROCEDURES	10/09/2020	458	12/12/2021	Not started	17
11	GOVERNANCE AND CONTRACTUAL FRAMEWORK	01/06/2017	1.691	17/01/2022	In progress	83
12	COMMUNICATION AND STAKEHOLDER MANAGEMENT	02/05/2018	1.247	30/09/2021	In progress	63
13	Go-Live	30/09/2020	513	25/02/2022	Not started	0

2. Day Ahead Capacity Calculation & Market Coupling

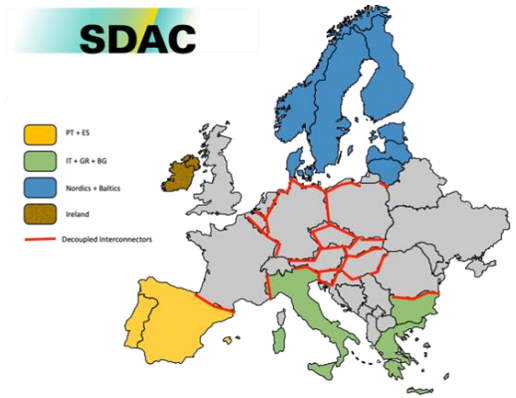
M.PREGL

Fallback solution (1/2)

Context

- Art. 4.2 of the Acer decision 10/2018 mentions that shadow auctions must be used to allocate cross zonal capacity in case a BZ is not able to determine the market coupling results.

- As in FB domain the internal borders cannot be decoupled one by one, the application of this decision has been defined as the complete decoupling of all the Core borders: internal and external.



Parties were informed (Core CG - 22/04/2012), that Core was exploring potential optimized fallback solutions to minimize consequences of a decoupling due to missing order book, 'isolate' issues and limit its impact if possible

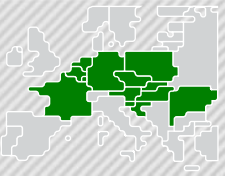
- The fallback solution for the Single day-ahead coupling is defined in the framework of CACM article 44. In case SDAC "coupling process is unable to produce results", shadow auctions are the fallback in Core.
- Core FB MC parties concluded that a decoupling following missing NEMO order books (in non-MNA or in MNA for all NEMOs) would lead to full decoupling of Core and other affected borders and the impact is too significant
- Core FB MC parties agreed to explore potential optimized fallback solutions, which would minimise the consequences of a decoupling due to missing order book, 'isolate' the issue and limit its impact as far as possible.
- Condition for an improved fallback solution is that it can be developed, tested and implemented before FB MC go-live in and does not jeopardize the go-live.

Core FB MC project parties want to inform all parties on the option defined (last Core CG presented as option 1):

2. Day Ahead Capacity Calculation & Market Coupling

Fallback solution (2/2)

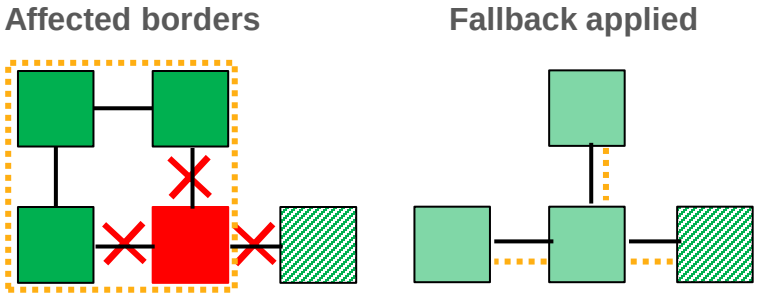
M.PREGL

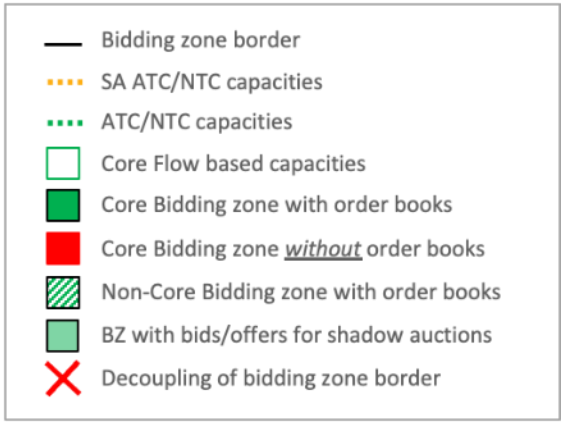


Core FB MC project parties decided unanimously on a preferred Fallback solution (see below)

All the borders remain coupled except those (External or Internal) connecting the affected Bidding Zone.

- Core internal Capacities would be allocated via NTC Market Coupling; Capacity on Core external borders is allocated via NTC
  - The FB domain is put to 0, the values used for Core internal Capacities are the same as for potential Shadow Auctions
- Shadow auctions will be held for the borders linked to the affected Bidding Zone



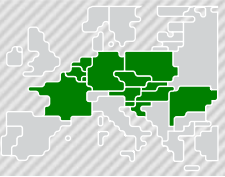


Next steps

- Core project parties are preparing the implementation to have this available for Join Integration Testing
- There will be some additional efforts to fine-tune this solution after Go Live in order to avoid some adverse effects, such as prevention of transit scheduled exchanges. In case of any significant changes, Market parties will be kept informed

2. Core FB Day Ahead Capacity Calculation & Market Coupling

G.MEUTGEERT



External // run: introduction & status

Core FB DA MC project previously presented the external parallel run approach.

The FB DA capacity calculation method and the systems used for capacity calculation in the parallel run can be found in the CCG of 07/10/2020.

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 - LINK)

- https://core-parallelrun-publicationtool.jao.eu/

April 13th 2021 – (Business day 15/04/2021, Core TSOs reached increased stability of the external parallel run and switch to immediate publication of capacity calculation results for 7 out of 7 business days per week

May 10th 2021 – business day 11/05/2021, Core TSOs deployed a first NRAO in the EXT // Run

- Last Core CG (22/04/2021), an important limitation was communicated, namely that Non-Costly Remedial Action Optimizer (NRAO) to optimise available non-costly remedial actions was not yet deployed in the EXT//run
- With reaching this milestone, Core reached another maturity stage in terms of completeness and representativeness

There are remaining challenges which are related to operational stability and maturity. There are remaining limitations on which there is transparent communication, and this will be explained in the next slides

June 17th 2021 – ICP go-live: simulation will include real operational data from implicit auctions from this BD onwards – until this date from ICP was ”simulated”.

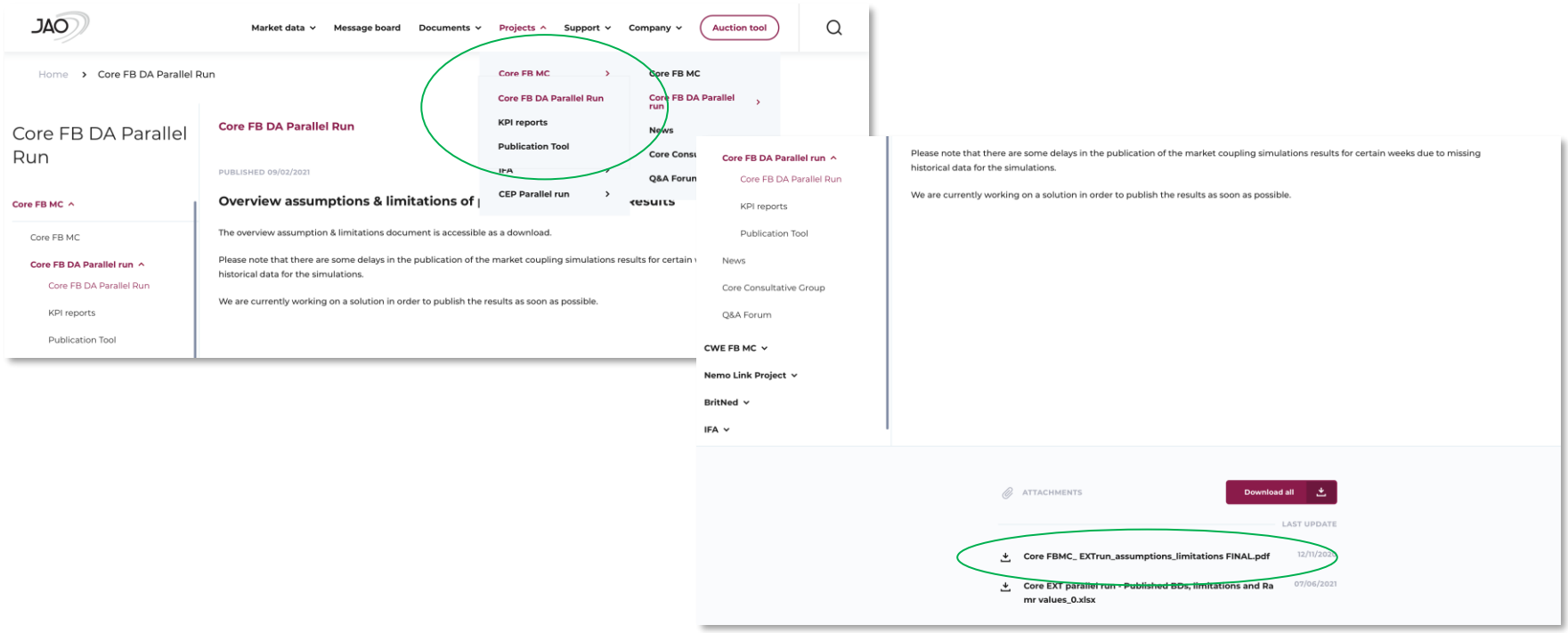
2. Core FB Day Ahead Capacity Calculation & Market Coupling

G.MEUTGEERT

External // run: limitations 1/2

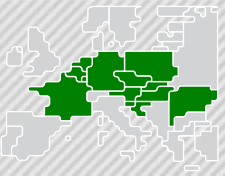
There are various assumptions and known limitations in relation to the capacity calculation results that must be considered when interpreting the results.

With the weekly publication of technically representative results, Core TSOs maintain an overview on these assumptions and limitations with the related BDs on the JAO website (link: https://www.jao.eu)



2. Core FB Day Ahead Capacity Calculation & Market Coupling

G.MEUTGEERT



External // run: limitations 2/2

The main remaining limitations are linked to

- As TSOs are in a learning phase in terms of process and tools, the outcome of the **local validation might temporarily lead to limited application of IVA and/or incomplete information on its justification**

- 'A number of TSOs apply a **fractional Ramr**, but **only rounded values are considered** in the computation. This leads to slight inconsistency with operational values.

- 'An issue occurred that prevented Elia applying minRAM reduction on (some of) its CNECs in relation to excessive loop flows.
  - Impacted BDs: Jan 20, Feb 28, March 1, March 6, Mar 11, Apr 20, Apr 21, Apr 22, Apr 30, May 5, May 9, May 20

- Issues with the merging tool can in some hours lead to the need to **replace German IGMs** with those from adjacent hours or to trigger fallback, thus degrading the quality of results in affected hours: impacted BDs: Mar 29, Mar 31, Apr 2"

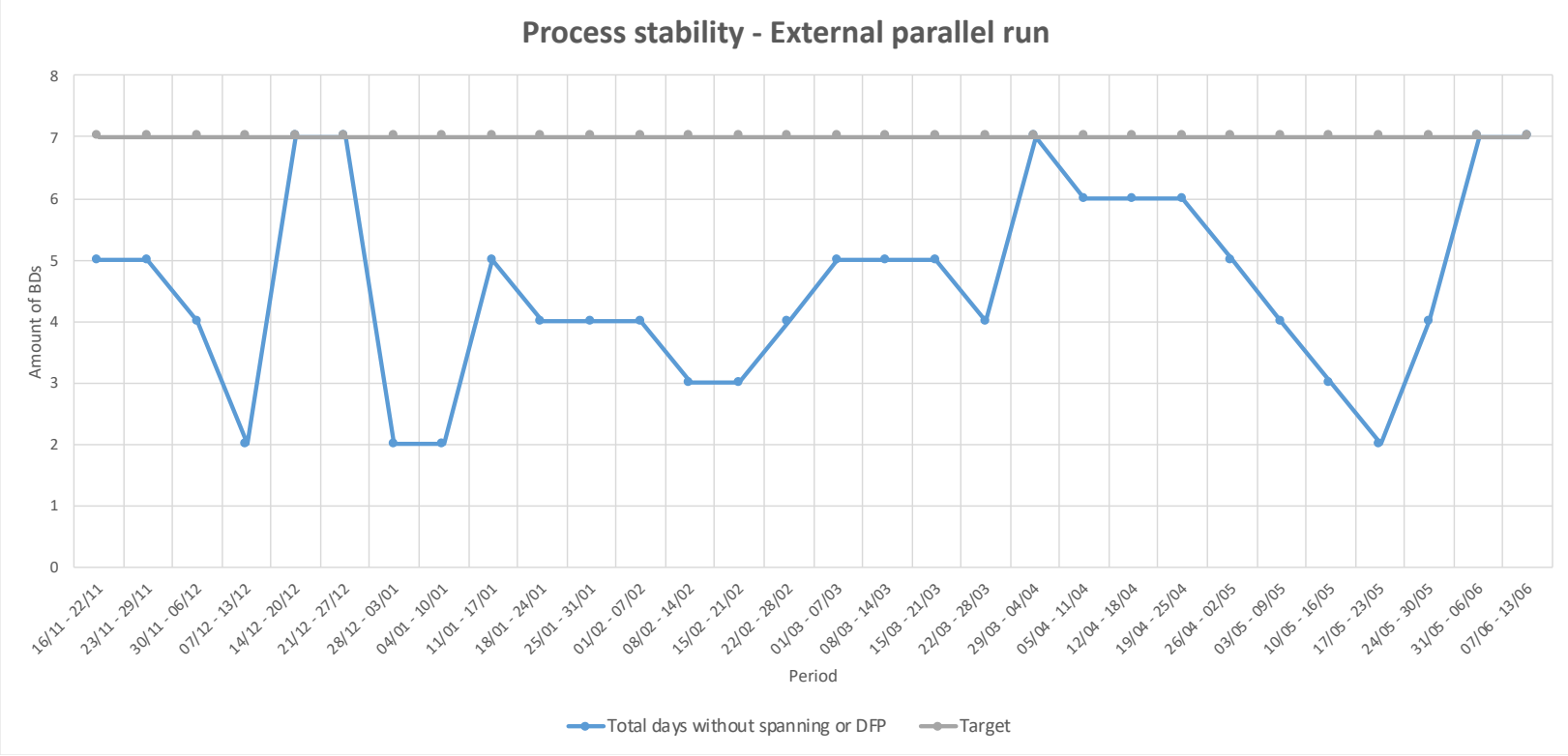
2. Core FB Day Ahead Capacity Calculation & Market Coupling

G.MEUTGEERT

External // run: results

Since November 14th 2020 - (BD 16/11/20), Core TSOs started a progressive transition to the EXT // run with weekly publication of sufficiently representative results and from BD April 15th publishing daily all results

Please see below the stability in terms of number of BDs per week with spanning or DFP applied



2. Core FB Day Ahead Capacity Calculation & Market Coupling

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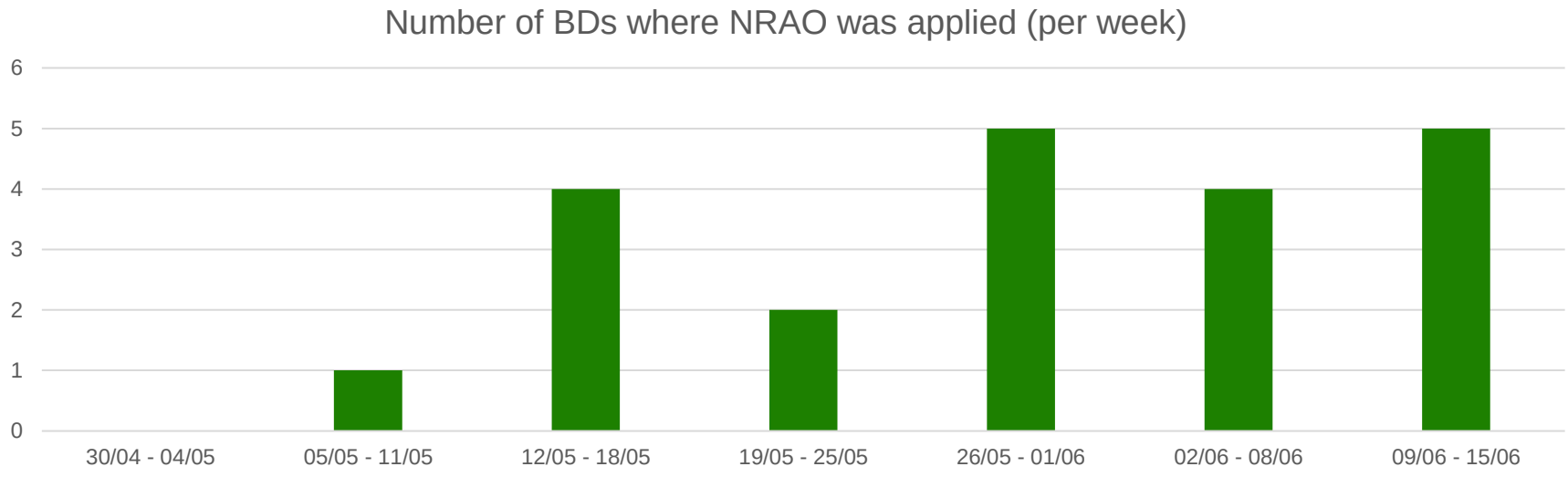
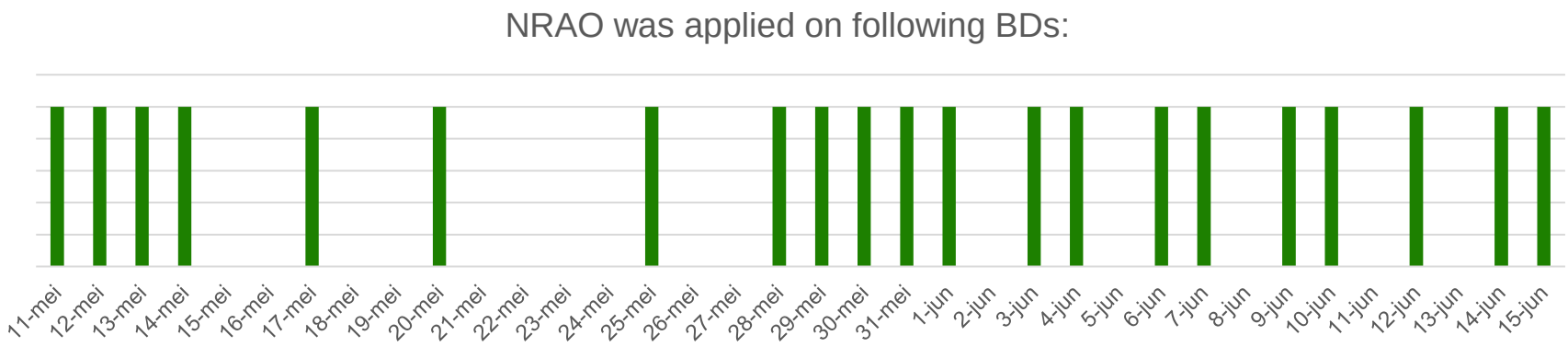
External // run: results





2. Core FB Day Ahead Capacity Calculation & Market Coupling

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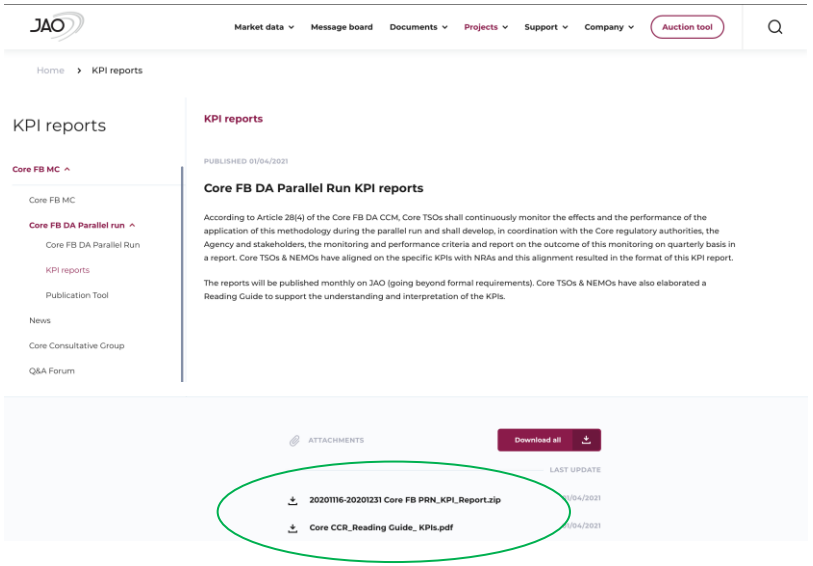
External // run: results

Core TSOs agreed with the NRAs on a set of monthly KPIs to be published. These KPIs are shared with Core MPs since end of March on the JAO Website – LINK



In setting-up the KPI reports and computing there were some challenges faced as already communicated in the last Core CG (topology, Simulation Facility and compatibility of scripts with new releases of systems used)

Status

- The KPI reports from Nov-Dec to the March report were finished, approved and made available on the JAO website
- The Nov-Dec report was re-published due to the need of two corrections
  - CC part: KPI 5&6 updated (bug fix in KPI script that selected the IVA of the first Contingency to the related CNE and not as described the highest IVA per Contingency per MTU.
  - KPI 17: Disclaimer added that DE-NO2 border will be only included in reporting as of April 2021.
  - Correction of Nordlink topology in Market Coupling

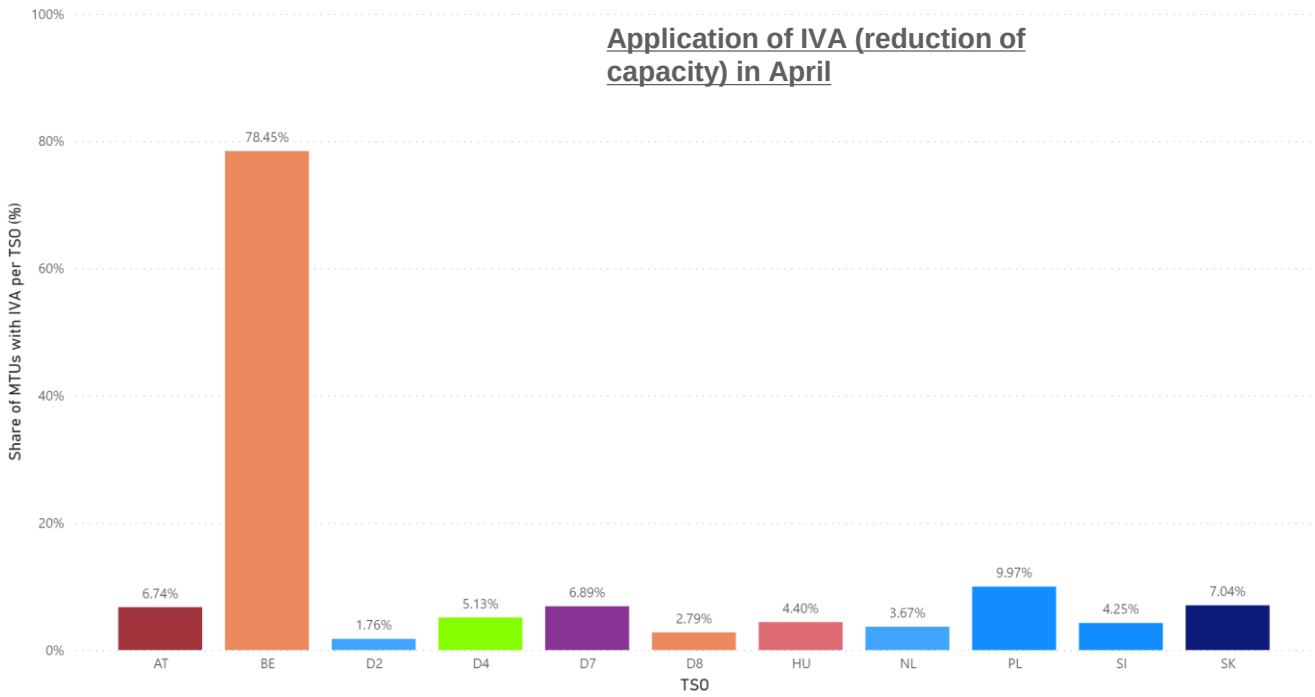
2. Core FB Day Ahead Capacity Calculation & Market Coupling

G.MEUTGEERT

External // run: summary of first observations

Below high-level observations can be shared based on the results of the EXT // run since November 14th (Business day 16/11/20)

- Application of virtual capacity (AMR, LTA margin) is structurally needed to reach the target capacities (Ramr assumptions)
- All Core TSOs implemented an individual validation approach (except RTE as it depends on NRAO implementation). Reduction of capacities is needed as there were no sufficient RA available to secure the grid. Sometimes in cases of malfunction of a local validation tools fallback mechanisms are applied.



2. Core FB Day Ahead Capacity Calculation & Market Coupling

G.MEUTGEERT

External // run: summary of first observations

Below high-level observations can be shared based on the results of the EXT // run since November 14th (Business day 16/11/20).

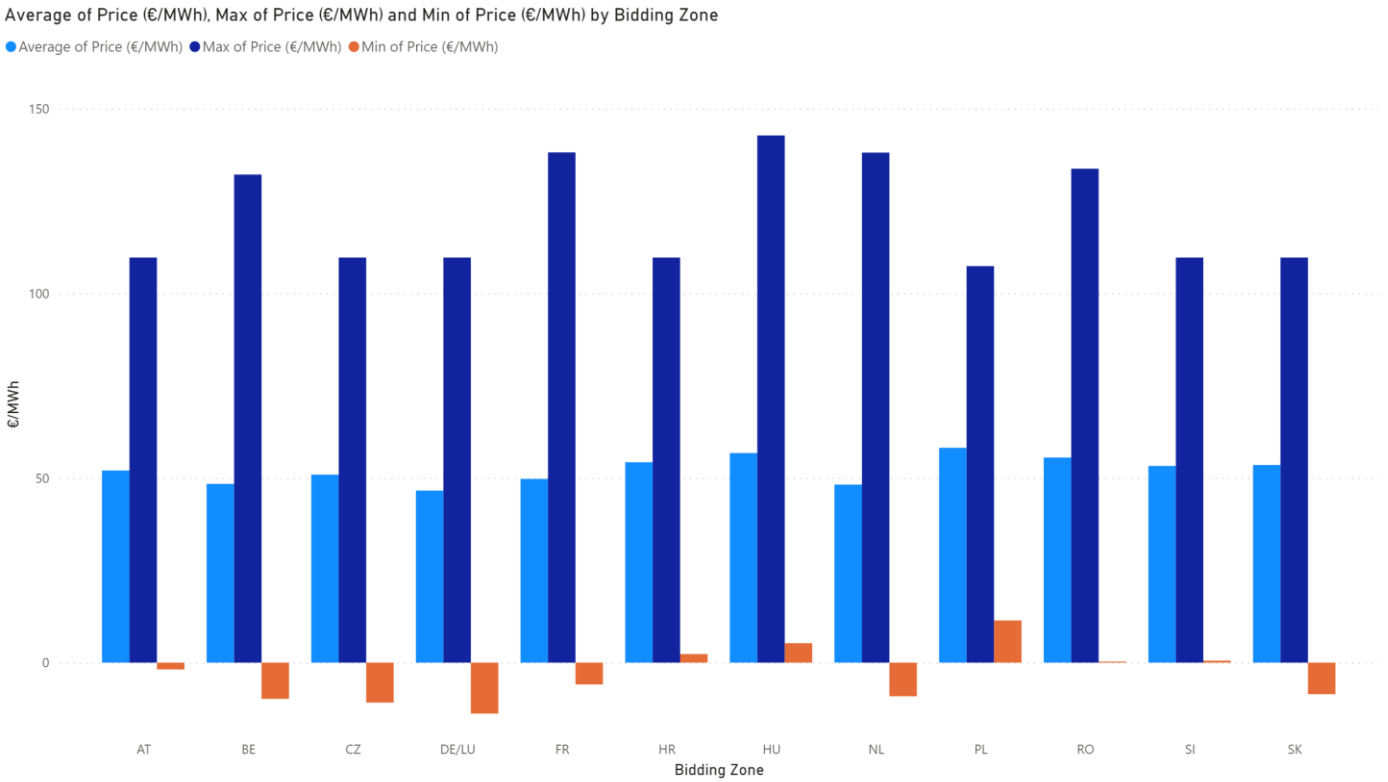
- For November 2020 to March 2021 75 Business Days (1800 h) with market coupling results were published on JAO, including the KPI Report.
- The outcomes of the capacity calculation and market coupling simulations are consistent, fluctuations can be generally explained, and no extreme values are appearing.
- During 220 h of the simulated 1800 h (~12%) no critical network element was limiting the market outcome within the whole Core region, this is the same share observed in Nov – December market coupling simulations. The following average, maximum and minimum prices were observed during these business days (based on KPI 9).*

Full price convergence = share of hours without any Critical Network Element limiting the market:

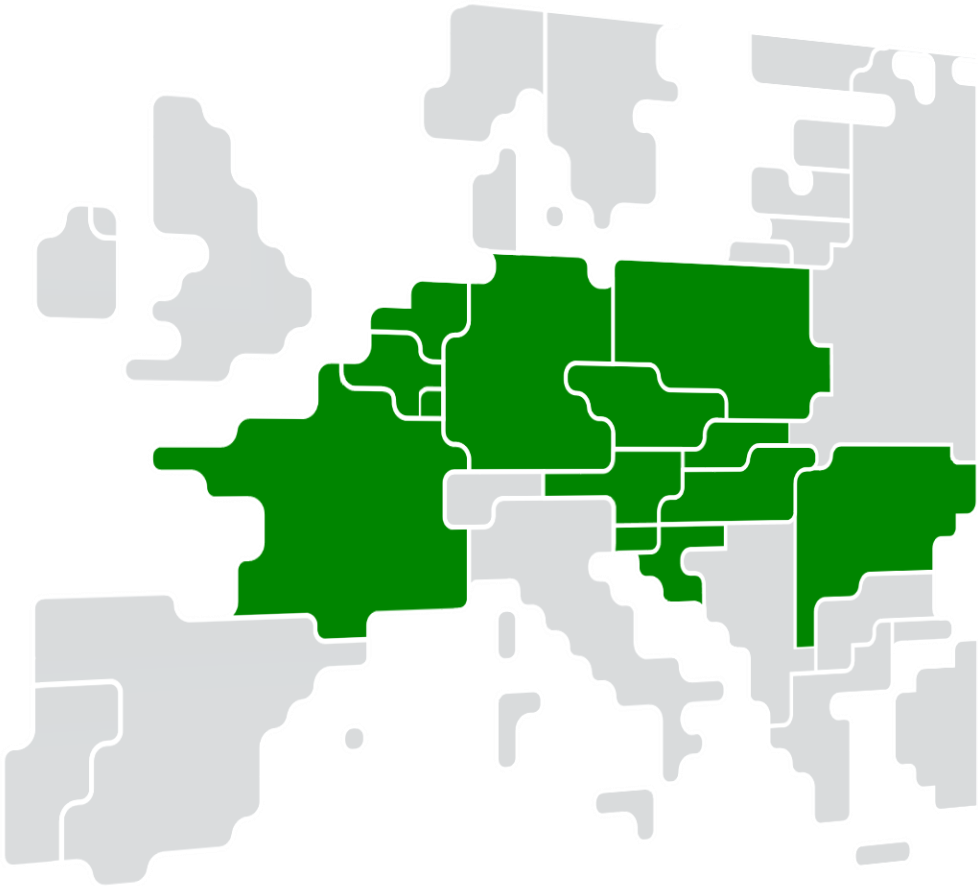
12%

Near price convergence = share of hours with maximum price spreads <1€:

14%

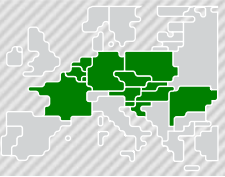


Question and Answers Session



2. Core FB Day Ahead Capacity Calculation & Market Coupling

S.RAHMAN



Publication tool: status

The publication tool has been active as of December 2020, ever since, there have been numerous updates and improvements made to the tool to ensure quality publication.

There are a few planned developments which are required to complete the development of the tool.

Pre-coupling:

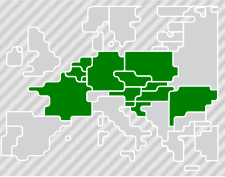
- Allocation Constraints
- Remedial Actions (PRA/CRA): this publication is based on NRAO output, which is deployed recently enabling now publication
- LTA: values are already published on JAO, but considering switch to Extended LTA inclusion this will be added for convenience
- FB domain pages: addition of minRAM parameters on the pre-final and final FB domain pages
  - Ramr: legal target for totally of Core + non-Core exchanges i.e. 70% or applicable value from action plan / derogation
  - minRAM for Core exchanges
- Validation reductions page: include column TSO
- Bug fixes:
  - Publication of capacities in case of DPF
  - ‘NA’ issue on CNE data – note: current issue is partly due to CNEs which are out of service in the CGM
  - Missing data in Validation Reductions

Post-coupling:

- Allocated Capacities
  - Net Position
  - Congestion Income
  - Intraday ATC
  - Price Spread

2. Core FB Day Ahead Capacity Calculation & Market Coupling

S.RAHMAN



Publication tool: monitoring (data completeness check)

To meet the requirements set forth in DA CCM Article 26(1)(2), JAO is in the process of developing and implementing a monitoring solution which will be used to check for data completeness (availability of data) on the

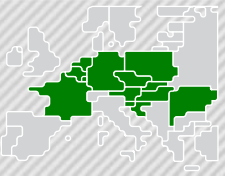
The main scope will be to have the monitoring on daily basis:

- Check automatically which parameters are unavailable in publication tool.
- Send alert/notifications of missing parameters (after publication deadline) to relevant Core TSO parties to enable taking actions

The monitoring tool will also be capable of generating reports, displaying all BDs and missing parameters for at least one year, which can be used for the annual report.

2. Core FB Day Ahead Capacity Calculation & Market Coupling

Core TSOs



Data quality & availability 1/2

Core TSOs worked on a common procedure for monitoring and ensuring the quality and availability of the data. In line with DA CCM article 26(1) this must be available 6 months before Go-Live and is to be aligned with Core NRAs and Market Participants.

- Discussion with Core NRAs on Core TSOs' foreseen approach was held during the Core IG meeting on July 2nd.
- The topic was introduced to Market Participants during the Core CG meeting on July 7th and further information is provided in this and the next slide.

The publication of data will be on the JAO website in the so called: "Publication tool" - see here.

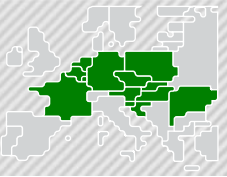
- EXT//Run results are already published on this platform and will be enriched until Go Live with all information required.
- There will be a link on ENTSO-E Transparency Platform to the JAO website to direct stakeholders to meaningful FB parameters.

Summary of the common procedure for monitoring and ensuring the quality and availability of the data:

- The main responsibilities for performing the procedure will be for the CCC (Common Capacity Calculator) to ensure
  - Continuous monitoring process
  - Reporting in the annual report
- The continuous monitoring process covers
  - Quality checks within the central systems – already implemented
  - (Detailed) quality indicators (targets) and reporting – to be implemented
- In terms of publication
  - Information will be available to Market Parties on data quality (e.g. spanning / Default Flowbased Parameters - DFP applied)
  - There will be monitoring on completeness and notifications to allow completing the data (under development by JAO)
- Finally, there will be a satisfaction survey performed annually with stakeholders and the Core regulatory authorities

2. Core FB Day Ahead Capacity Calculation & Market Coupling

Core TSOs



Data quality & availability 2/2

Monitoring and ensuring the *quality and availability* of data during the **Core Capacity Calculation process**

- Focus on monitoring of reliability, availability and performance
- For the Core DA CC process there will be a list of quality indicators per process step. Such as:
  - Duration of process step, within/outside target timings
  - Success of process step (i.e., CNEC selection, NRAO, IGM replacement, Spanning, DFP)
  - Input accuracy (i.e., Slack imbalance, Net Position Forecast)
  - This will be reflected in the annual report
- The daily publication of quality indicators will be focused around:
  - Spanning, DFP – already part of Publication Tool
  - CNEC selection, NRAO, IGM replacement – format to be defined

Monitoring *availability* of the data for **Publication**

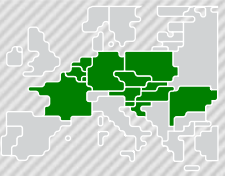
- This part of the monitoring will be covered by JAO as the one responsible for publication
- Automatic checks which parameters are unavailable in publication tool on daily basis after (publication) deadline is passed
  - Automatic notifications of missing parameters after (publication) deadlines
  - Inform CCC (RSCs), JAO & Unicorn helpdesk to allow mitigations and complement/correct data published
- Ability to create a report showing all BDs and missing parameters for at least one year to enable annual reporting

Next steps:

- Core NRAs to acknowledge approach and proposal Core TSOs and/or provide feedback – DONE (02/07)
- Core TSOs to share / present the approach and proposal with Market Participants – with CCG MoM (07/07)
- Core TSOs to make the proposal more explicit e.g. by defining minimum level of at least part of the data quality indicators
- Core TSOs to finalise the implementations required to secure the monitoring of quality and availability

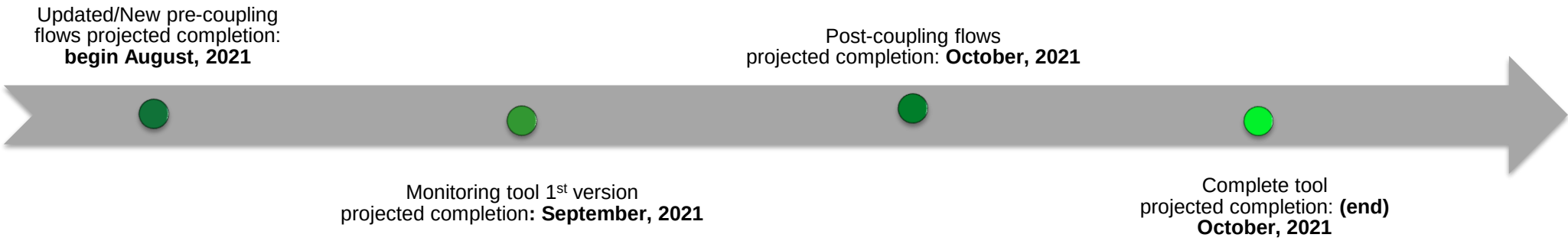
2. Core FB Day Ahead Capacity Calculation & Market Coupling

S.RAHMAN



Publication tool: planning

Projected timeline



There are some developments dependent on the deployment of a new version of the Core Capacity Calculation tool currently scheduled mid-July:

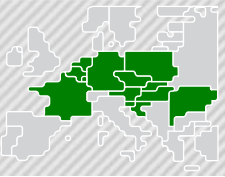
- FB domain pages: addition of minRAM parameters on the pre-final and final FB domain pages
- Fix 'NA' issue on CNE data

The change in relation to Ext LTA inclusion is dependent on the timing of the switch in the External parallel run to apply Extended LTA.

3. Information Access in Core

Next steps in improving access to information

R.OTTER



Core TSOs intend to start a dialogue with the market on how to improve information access based on suggestions presented by Oesterreichs Energie in the Consultative Group meeting of 22 April 2021

Approach

- Focus on:
  - Conceptual information (descriptions, methodologies, overviews rather than data)
  - Making available information comprehensible
  - Information that is needed to enter into the topics in Core (new/small market participants and/or persons that are new to the topic)

- In dialogue with the market: request for about 10 volunteers that would be interested to be involved
  - With the right geographical representation for Core
  - Being able to formulate the needs of persons that enter into the Core topics
  - After a kick of meeting it is expected to have 3 or 4 meetings per year to reflect on proposals and generate ideas
  - Kick off after the summer of 2021

- Stepwise improvements

Data transparency subjects will be treated separately from this work.

3. Information Access in Core

Preparation for Core Flow Based go-live

Core TSOs intend to organise “Core workshops” to prepare MPs for Core Flow Based Market Coupling

- Preferably physical meeting, duration of the event to be determined
- Focus on procedural aspects and technical background on Flow Based capacity calculation
- Entry level information and explanation
- Preliminary planning: November 2021
- In dialogue with the market (organisation through CCG co-chairs)
- Possible follow up in 2022 with a more in-depth approach

To get a better understanding of MPs needs and wishes related to the above mentioned workshops, Core MPs are invited to complete a short survey

- Based on the input provided, TSOs will – in alignment with MPs CCG co-chair – initiate the preparations for the workshops
- Please provide your feedback by 30/07 latest

➔ **CCG survey on workshop Core Flow Based Market Coupling**

- Use the link to the survey: **https://www.surveymonkey.com/r/CoreCG**
- Or, QR code to the survey:

4. DE-AT-PL-4M MC Project (Interim Coupling)

Status report as of 21.06.2021

Core CG

07.07.2021.

DE-AT-PL-4M MC Project

Project status and first days of operation

- Joint testing, incl. SDAC and Member Tests were successfully finalised → on **07.06.2021.**
- **Go-live preparations, deployment of production environments and connectivity tests were performed until 16.06.2021 while the formal ICP SG go-live decision was taken on 15.06.2021.**

The ICP **operation was successfully launched on 17.06.2021 (Trading day 18.06.2021)** in line with the confirmed project planning. By this step MRC and 4MMC are merged and the SDAC parties entered so called Enduring phase as defined by the SDAC DAOA.

- Experience from the first days of operation → **Normal process was secured and no incidents were reported**, i.e. no deviation from the joint operational procedures encountered.

Interim Coupling planning	April															May																										June																			
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIT					X	X	X	X	X			X	X	X	X	X			X	X		X				X	X	X																																										
SDAC testing																																	X	X	X	X						X	X																								
Member Tests																																															X	X	X	X				X															
Go-live preparation																																																							X	X	X	X			X	X	X				
Go-live window																																																																X				

Status of the main on-going project activities in line with the updated ICP roadmap (1/3)

Task	Resp.	Timing	Status	Comment
Readiness for joint testing by all project parties	Individual	01.07.2020. - 22.01.2021.	**Completed**	Joint testing has started on 25.01.2021. with participation of all project parties. However, APG and EPEX local implementation could not be fully finalized until end of January 2021, therefore these parties were participating for the initial period of the joint tests with the application of workaround solutions. In the meantime, each party finalized their local implementation and completed the additional FIT tests in automatic mode during the week of 15.03.2021.
Implementation of changes in the joint TSO system (mTMF)	TSOs (SEPS/UNI)	02.10.2020. - before 31.12.2020.	**Completed**	The mTMF was completed in time for the start of joint testing.
Update of the PCR RfC	NEMOs (OTE)	02.10.2020. - 30.10.2020.	**Completed**	Update of the RfC was needed due to the new topology aimed at preventing the netting of the PL technical profile.
Finalization of joint regional procedures	Joint	01.09.2020. - 17.03.2021.	**Completed**	The procedures were finalized on 17.03.2021. for the purposes of SIT testing and for the start of the ROA signature phase. **Improvement of the procedures is ongoing in parallel to the SIT phase, based on the experience gained from the tests. Updated version of joint procedures for Go-live approved by ICP SG on 04.06.2021.**

Status of the main on-going project activities in line with the updated ICP roadmap (2/3)

Task	Resp.	Timing	Status	Comment
Finalization of contracts	Joint	02.10.2020. - 18.12.2020.	**Completed**	All below contract are in force: ✓ The mTMF Agreement ✓ The Regional Operational Agreement ✓ Necessary contracts with JAO (IMPALL and JAO-CCP) ✓ Bilateral shipping agreements
Completion of pre-FIT testing (connectivity tests)	Individual (APG/EPEX /EMCO/ EXAA)	22.01.2021.	**Completed**	Pre-FIT tests with all parties were completed. Full-scope connectivity tests were performed with APG and EPEX as well.
FIT testing (functional tests)	Joint	25.01.2021. – 26.02.2021.	**Completed**	FIT phase was successfully completed, identified bugs were handled, additional FIT acceptance scenarios were performed during the week of 15.03.2021.

Status of the main on-going project activities in line with the updated ICP roadmap (3/3)

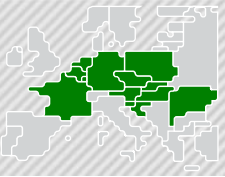
Task	Resp.	Timing	Status	Comment
SIT testing (procedural tests)	Joint	22.03.2021. – 12.05.2021.	**Completed**	SIT test phase finalized. Some of the test cases were repeated and 3 consecutive normal days performed according to defined exit criteria.
Joint SDAC testing	Joint	17.05.2021. – 26.05.2021.	**Completed**	SIT test phase successfully finalized. Outcomes of the test phase confirmed by the SDAC OPSCOM.
Member tests (with market participants)	Joint	31.05.2021. – 07.06.2021.	**Completed**	Member tests aimed at at providing real conditions to members to allow them to experience new market coupling procedures/processes. The joint testing was successfully finalised in line with the agreed criteria on 07.05.2021
Confirmation of technical and legal readiness	Joint	08.06.2021. – 16.06.2021.	**Completed**	The contraction and technical readiness was **confirmed by the ICP SG on 15.07.2021** with the focus on readiness of contracts, production environments etc.
Go-live date	Joint	17.06.2021.	**Completed**	**ICP went successfully live on 17.06.2021**

Interdependencies with the CORE FB MC implementation

Task	Timing	Comment
CORE FB MC Testing	According to CORE FB MC roadmap	
Other interdependencies		
*no further interdependecies were identified		

5. AOB & closure

R.OTTER/
H.ROBAYE



Existing Core communication channels

- **Core Consultative Group mailing list**
  - Register by sending an email to CoreCG@magnus.nl

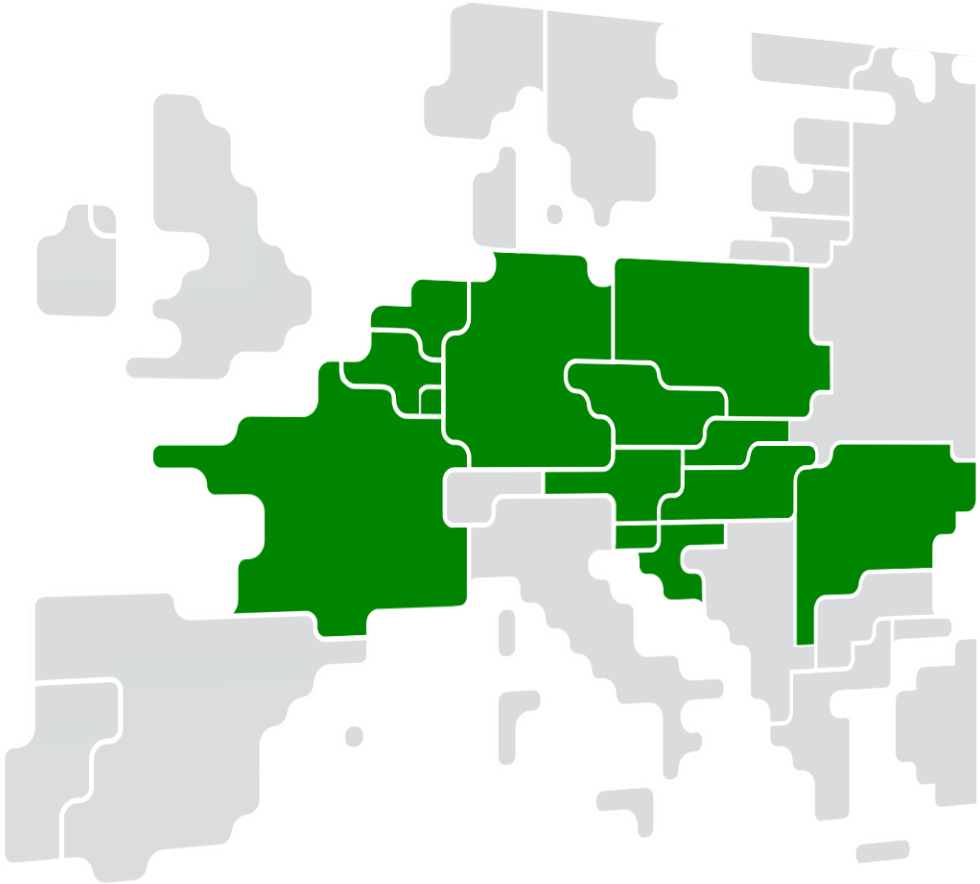
- **Core section on ENTSO-E website** (e.g. upload of methodologies and reports on public consultations, current status of the Core CCR program, CG minutes, …):
  - Link: https://www.entsoe.eu/network_codes/ccr-regions/#core

- **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 JAO website

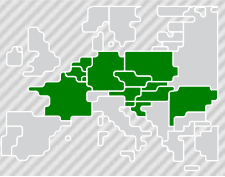
- **Q&A forum on the JAO website** which gives space to Market Participants to ask questions about the External Parallel Run and other relevant topics:
  - Link: http://coreforum.my-ems.net/

Appendix



Appendix

Glossary



ACER	Agency for the Cooperation of Energy Regulators
AHC	Advanced Hybrid Coupling
BZ	Bidding Zone
CACM	Capacity Allocation and Congestion Management
CC	Capacity Calculation
CCR	Capacity Calculation Region
CGM	Common Grid Model
CGMES	Common Grid Model Exchange Standard
CNEC	Critical Network Element with a Contingency
CS	Cost Sharing
CSA	Coordinated Security Analysis
CSAM	Coordinated Security Analysis Methodology
CROSA	Coordinated Regional Operational Security Assessment
DA	Day-Ahead
ENTSO-E	European Network of Transmission System Operators for Electricity
FAT	Final Acceptance Test
FIT	Functional Integration Test
FB	Flow Based
GSK	Generation Shift Key
GLSK	Generation Load Shift Key
IDCC	Intraday Capacity Calculation
IGM	Individual Grid Model
IVA	Individual Validation Adjustment
KPI	Key Performance Indicator
LF-SA	Load Flow Security Analysis
NRA	National Regulatory Authority
NRAO	Non-costly Remedial Action Optimization
RA	Remedial Action
RAO	Remedial Action Optimizer
RFI	Request for Information
RFP	Request for Proposal
ROSC	Regional Operational Security Coordination
RD&CT	Redispatching and Countertrading
RSC	Regional System Operator
TSO	Transmission System Operator
SHC	Simple Hybrid Coupling
SO GL	System Operation Guideline
SAT	Site Acceptance Testing
SIT	System Integration Testing
V1/V2	Version 1/ Version 2
XNE	Cross-border element