

**29<sup>th</sup> System Operation European Stakeholder Committee (SO ESC)**26<sup>th</sup> June 2024, 13:00-15:00

EU DSO premises and Online

Participants		
Uros Gabrijel	ACER	Chairperson
Georgios Antonopoulos	ACER	Observer
Athina Tellidou	ACER	Guest for presentation
Marco Pasqua di Bisceglie	ARERA	Observer
Lisa Dallinger	BNetzA	Observer
Marc Malbrancke	CEDEC	Member
Florentien Benedict	DSO Entity	Member
Serdar Bolat	DSO Entity	Member
Tommaso Carbone	DSO Entity	Member
Valeria Battista	DSO Entity	Member
Tony Hearne	DSO Entity	Member
Florentien Benedict	DSO Entity	Member
Abel Santamaria	EDSO for smart grids	Member
Gamze Dogan	ENTSO-E	Member
Hanna Ljungberg	ENTSO-E	Member
Cherry Yuen	ENTSO-E	Member
Lazaros Exizidis	ENTSO-E	Member
Luca Ortolano	ENTSO-E	Member
Laurent Rosseel	ENTSO-E	Member
Habir Paré	ENTSO-E	Member
Sultan Aliyev	ENTSO-E	Member
Alina Neagu	ENTSO-E	Member
Mosca Carmelo	ENTSO-E	Guest for presentation
Luca Guenzi	EU Turbines	Member
Freddy Alcazar	EUGINE	Member
Thierry Vinas	EURELECTRIC	Member
Jakub Fijalkowski	European Commission	Observer
Pavla Erhartova	Europex	Member
Emma Menegatti	Florence School of Regulation	Observer
Mike Kay	GEODE	Member
Stein Øvstebø	IFIEC	Member
Michaël Van Bossuyt	IFIEC	Member substitute
Rainer Fronius	VGB Powertech	Member
Klaus Oberhauser	VGB Powertech	Member

## **1. Opening**

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### **1.1. Review of the agenda, approval of last meeting minutes**

The Chair (Uros Gabrijel) opens the meeting and asks for comments on the agenda.

The minutes of last meeting are approved.

The following topics are added in the AOB:

- EU Turbines (Luca Guenzi) asks to present a short overview of the clutches solution for gas turbine.
- EURELECTRIC (Thierry Vinas) asks for a short update on the incident that took place in the Balkan region on Friday 21<sup>st</sup> June.

### **1.2. Review of Actions**

ENTSO-E (Cherry Yuen) presents the pending actions from previous meeting. The European Commission confirmed that their project on inertia kicked-off very recently. The project will not have any overlaps with the ENTSO-E inertia project but will be complementary to it. The European Commission will keep SO ESC updated on the project.

## **2. Update on the implementation actions at pan EU level**

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ENTSO-E (Cherry Yuen) informs that amendment proposal to the methodology for coordinating security analysis (CSAm) submitted by ENTSO-E on November 2023 has been approved by ACER on the 14<sup>th</sup> May. Most of the SO GL legally mandated reports are expected in September.

EDSO for smart grids (Abel Santamaria) asked about the scope of the approved amendments and whether it includes all recommendations from system split events. ENTSO-E clarified that the recommendations following system split events are reported in the Incident Classification Scale (ICS) report, due in September.

## **3. Report on CGM Implementation**

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ENTSO-E (Habir Paré) presents an update on the Common Grid Model (CGM) and the main achievements since the beginning of the year. The CGM action plan implementation will start by July, it aims at ensuring that CGM is operationally usable and ready on time for the operational regional processes go-live.

## **4. Update on the HVDC incident between France and GB**

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ENTSO-E (Laurent Rosseel) provides an oral update on the incident. On the 21<sup>st</sup> December, the link tripped but there were also other issues internal to GB which created a drop in frequency in GB. SCADA simulations accounted for the N-1 on the HVDC link that tripped, therefore it seems that there was no direct connection between the trip of the link and the frequency quality.

## **5. Update on Wind eclipse**

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ENTSO-E (Hanna Ljungberg) presents the update on the wind eclipse project. The TSOs experiences regarding wind eclipse phenomenon have been collected and the main conclusions are presented. TSOs are facing issues forecasting properly changes in variable renewable energy sources (vRES) infeed and are currently looking for mitigation measures as they expect the impact of such events to increase in the future. The next steps of the assessment include a quantitative data analysis for which stakeholders are encouraged to share any relevant data with ENTSO-E. ENTSO-E clarified that for now, these are preliminary results of the assessment, and additional results will be presented by the end of the year.

EUGINE (Freddy Alcazar) asks if the evolving generation mix (synchronous to renewables) will have an impact on the occurrence of vRES drops in the future.

ENTSO-E (Cherry Yuen) responds that the project aims to analyse this impact at a later stage.

EURELECTRIC (Thierry Vinas) asks clarification about the mitigation measure of ramping restriction. ENTSO-E clarifies that TSOs are investigating the possibility of having ramping restrictions to reduce the rate of disconnected vRES.

ENTSO-E clarifies that, in the future, the analysis will also include possible future scenarios of different generation types.

Actions:

- Stakeholders are invited to contact ENTSO-E if they have relevant data or feedback to provide. ENTSO-E will follow-up bilaterally with these stakeholders.

## **6. Update on FCR probabilistic dimensioning**

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ENTSO-E (Carmelo Mosca) presents the update on the Frequency Containment Reserve (FCR) probabilistic dimensioning methodology. NRAs asked for a 6 months extension to decide on the proposal submitted by the TSOs. ACER will decide on this extension by the end of July.

## **7. Update on T<sub>min</sub> FCR LER – TF LLFD analysis**

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ENTSO-E (Luca Ortolano) informs about the workshop held with stakeholders on the report on countermeasures against long lasting extraordinary frequency deviations (LLEFDs). TSOs presented the implementation status of the mitigation measures. Additionally, a public consultation was held on the CBA data input and assumptions, which are aligned with the FCR probabilistic dimensioning for consistency in the approach. Some comments were received during the public consultation. The most relevant ones are about the non-retroactive application of the threshold of 15min (if decided) to already prequalified units and about the exclusion of exceptional events from the statistic of the frequency: it was clarified that such events are not part of the input of the CBA. A consultation for the new proposal will be launched end of September.

VGB Powertech (Klaus Oberhauser) asks about the content of the public consultation. ENTSO-E clarifies that the full proposal will be under consultation, including the constraints on units following the decision made.

## **8. Network code demand response**

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### *8.1. Presentation by ACER:*

ACER presents the status of the Network Code on Demand Response (NC DR) submitted jointly by ENTSO-E and DSO Entity. ACER is currently reviewing the text and the consistency with other network codes. The main objectives of this work are to ensure:

- Clear requirements for the implementation of aggregation models in wholesale electricity markets;
- Efficient TSO-DSO and DSO-DSO coordination for identifying and solving system issues (congestion and voltage control);
- Simplification of the prequalification processes and avoiding duplications for the provision of multiple services; and
- Clear requirements for the interactions between markets to ensure overall efficient operation.

The public consultation will include the amendment proposals to other network codes and will be launched in September.

ACER clarifies that those objectives are to be tackled in the general approach including the amendments to other network codes. Therefore, the TSO-DSO coordination might be addressed in another code than NC DR. The aim is to have a consistent legal framework.

### *8.2. SO GL Amendments*

ENTSO-E (Cherry Yuen) presents the amendment proposals to SO GL submitted alongside the NC DR. Three sets of amendments have been submitted:

- SO GL and KORRR amendments mainly related to the DSO observability area, submitted on behalf of ENTSO-E and DSO Entity;
- SO GL amendments related to the integration of NC DC Title 3, submitted on behalf on ENTSO-E; and

- SO GL amendments related to prequalification, submitted on behalf on ENTSO-E.

VGB Powertech (Klaus Oberhauser) asks about the approach followed with the SO GL amendments. The European Commission clarified that for now, they are looking into SO GL amendments related to the CACM2.0 soon to be published. Indeed, some content alignment is necessary, for instance, regarding the CGM which will be removed from CACM2.0. The necessary amendments to SO GL triggered by the amendments of the Connection Network Codes (CNCs) and by the NC DR will also be analysed.

The European Commission mentions that the TSOs and DSOs should focus first on the content of the legal text rather than on the network code that will host it. ENTSO-E clarifies that the scope of the network code regarding balancing is better hosted in SO GL. ACER mentions that the consistency of the terminology is also of importance as, for example, the NC DR mentions controllable units which are unused in other network codes.

EU DSO Entity (Florentien Benedict) presents their view on ENTSO-E presentation and confirms that for the first two topics (DSO observability area and NC DC related amendments) agreement has been reached between TSOs and DSOs while on prequalification no agreement has been reached yet.

## **9. AOB**

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EU Turbines (Luca Guenzi) presents the solution of clutches to disconnect the turbine from the generator to use the synchronous generator as a synchronous condenser.

ENTSO-E (Laurent Rosseel) presents the preliminary results of the incident that took place in the Balkan region on Friday 21st June. A meeting took place directly after the event with the concerned TSOs. The collection of the data relevant for the analysis as well as the nominations for the expert panel is ongoing.

The Chair (Uros Gabrijel) closes the meeting.

Actions:

- ENTSO-E will add the slides presented on the clutches on the website.