

98th System Development Committee Meeting

Date: 21 June 2023

Time: 09.00-13.15h

Place: Cleopatra Hotel, Florinis 8, CY-1065 Nicosia, Cyprus – *Room Macedonia*

Participants

Chairman

	Amprion	Germany
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Vice Chairman

	RTE	France
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Members

1.	50Hertz Transmission	Germany
2.	AS Augstsprieguma tīkls	Latvia
3.	Ceps	Czech Republic
4.	Elia System Operator	Belgium
5.	EMS	Serbia
6.	HOPS d.d.	Croatia
7.	Litgrid	Lithuania
8.	RTE	France
9.	Seps	Slovakia
10.	Statnett	Norway
11.	Svenska Kraftnät	Sweden
12.	TenneT TSO BV	Netherlands
13.	Transelectrica	Romania
14.	Transmission System Operator-Cyprus	Cyprus

Substitutes

15.	Amprion	Germany
16.	APG	Austria
17.	Eirgrid	Ireland
18.	Elering	Estonia
19.	IPTO	Greece
20.	REE	Spain
21.	REN	Portugal
22.	SONI	Northern Ireland
23.	TenneT TSO GmbH	Germany
24.	Terna	Italy
25.	Transmission System Operator-Cyprus	Cyprus
26.	VUEN	Austria

Conveners StGs and WGs and RGs

1.	StG WG Scenario Building and WG System Design Strategy	Netherlands
2.	StG TYNDP 2024	Spain
3.	StG ERAA 2023	Austria
4.	RG Continental South-East	Serbia
5.	RG Continental Central East	Czech Republic
6.	RG Baltic Sea	Germany

WG System Design Strategy Members

1.	Eirgrid	Ireland
2.	TransnetBW	Germany

Secretariat

1.	ENTSO-E	
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## **Participants (remote)**

### **Members**

|     |                                      |                             |
|-----|--------------------------------------|-----------------------------|
| 27. | Crnogorski elektroprenosni sistem AD | Montenegro                  |
| 28. | Creos Luxembourg                     | Luxembourg                  |
| 29. | Eles                                 | Slovenia                    |
| 30. | Energinet                            | Denmark                     |
| 31. | Fingrid                              | Finland                     |
| 32. | Mavir                                | Hungary                     |
| 33. | MEPSO                                | Republic of North Macedonia |
| 34. | PSE                                  | Poland                      |
| 35. | Swissgrid                            |                             |

### **Substitutes**

|     |                                          |         |
|-----|------------------------------------------|---------|
| 36. | OST-Operatori i Sistemit te Transmetimit | Albania |
| 37. | TransnetBW                               | Germany |

### **Conveners StGs, WGs and RGs**

|    |                                          |          |
|----|------------------------------------------|----------|
| 1. | WG Assets, Implementation and Management | Slovakia |
| 2. | Vice-Convenor of PCG                     | Italy    |
| 3. | Convenor ONDP CG                         | Denmark  |

### **Excused**

|    |          |                    |
|----|----------|--------------------|
| 1. | ESO-EAD  | Bulgaria           |
| 2. | Landsnet | Iceland            |
| 3. | NOSBiH   | Bosnia&Herzegovina |

## 1. Attendance, quorum and approval of draft Agenda

The Chairman of the SDC welcomed all participants to the 98<sup>th</sup> SDC meeting in Nicosia and warmly thanked colleagues from TSO Cyprus, including the CEO and SDC members, for hosting and welcoming the Committee.

The Chairman welcomed the substitute members from Eirgrid and IPTO who were attending the SDC meeting in person for the first time. The Chairman thanked the entire Committee for a fruitful Strategy Seminar held the previous day, as well as the SDS Working Group and all the moderators for their preparations. He also informed the Committee that at the Conveners Coordination meeting the previous day, plans have been discussed for an "SDC Conference" in October 2023, aimed at bringing together data correspondents and study teams to exchange experiences and explore new ideas.

The agenda was approved without further amendment. The meeting was quorate. The SDC Chairman confirmed that participants could vote formally, in person or via teleconference, on the decisions proposed during the meeting.

### DECISION

36 out of 39 of the TSOs represented in the System Development Committee are attending the meeting, the SDC Chair states that the Committee meeting reaches the necessary quorum of half its members.

## 2. SDC Planning Programme

### 2.1. SDC Dashboard: Progress on products and resources

The Programme Manager gave an overview of the ongoing work of the SDC Programme Management overseeing all projects. He focused on the TYNDP scenario timeline update which will impact the rest of the TYNDP. Data quality checks are a key priority now, and the ambition remains to keep databases up to data and synchronised between TYNDP and ERAA. The Head of Section referred to the available dashboard of overall resource needs and member contributions. The pressure is now shifting from Data & Models to ERAA simulations; the most intense period will start soon for the TYNDP Study Team. Members asked if resources could be shifted. Transferring resources from one project to another would only add limited value, considering the highly specialized and experienced resources required for each activity.

## 3. SDC Work Programme 2024 – Draft

The SDC's Work Programme for 2024 is currently being drawn up. The Convenor of the WG SDS informed that the group was currently reviewing a first draft in order to identify gaps with other activity leads. The Work Programme 2024 will be shared to the SDC in September. Unless specific concerns or key issues are raised, it will be submitted directly for approval.

## 4. Report from Board meeting 1 June 2023

The Chair informed the Committee on the last Board meeting and on specific topics of interest for the SDC, including the Offshore communication strategy and the draft budget preparations.

## 5. Report from recent Forums

The Convenor of TYNDP 2024 Steering Group and Head of Section presented a summary of the recent Madrid, Florence and Copenhagen Forums. Preparations are also ongoing for a new high-level event on electricity grids to be held on 7 September 2023 and led by the EC.

## 6. European policy update

The PCG Vice Chair gave an overview of various legislative files including the Electricity Market Design Reform, the Net Zero Industrial Act, the F-gas regulation and the ECHA recommendation for lead authorization. An EC consultation is ongoing to feed into an EU strategy for 2040 climate targets. The Committee advises on specific questions ENTSO-E plans to respond on.

## 7. Data & Models

### 7.1. Dashboard – Q&A

The System Modelling Manager presented the D&M dashboard. The collection of grid model data has been delayed or rescheduled, as the results of the market model are not yet available. It is essential that SDC members can commit to the availability of their SSC (network model data correspondent) during the summer in order to avoid delays in interactions to check/merge the models. The delayed availability might still be acceptable for TYNDP CBA purposes, as it follows the same timeline as the previous cycle, but the SDC's ambition was higher to also have grid models available at other times. Members who did not have clear data correspondents were asked to confirm this as soon as possible; other Committee members referred to the high priority of data and process quality also received at the previous day's Strategy Seminar, and this request for the appointment of data correspondents had already been sent since March 2023.

### DECISION

The SDC:

- takes note of the nominations for the StG D&M and the individual TSO data correspondents

### 7.2. Terms of Use of DFT and PEMMDB App

The System Modelling Manager outlined the main principles for use of the new DFT and PEMMDB App, regarding access for members, observer members and possibly 3<sup>rd</sup> country TSOs. This will be further developed into Terms of Use for SDC approval.

The Committee members supported these principles. The comments made concern access to the source code, previous issues in interpreting the guidelines and the need for commitment and support for data correspondents. The tools will be used for the first time in the next Winter Outlook data collection. The Committee was reminded that trainings and support sessions are being organised, so that there is a need to allocate time for data correspondents to take on this task, as a central preparation of data files cannot be guaranteed and would not be efficient anyway. An overview of session registrations will be sent to SDC members.

## DECISION

The SDC:

- approves the key principles to be further developed in the Terms of Use of DFT and PEMMDB App.

### 7.3. Deployment of the PEMMDB App

The System Modelling Manager briefly outlined the objective of the PEMMDB App, which is about to be delivered. Improvements are expected in terms of user-friendliness, the automated reporting and data checks. An effort is also needed on the part of all TSOs to ensure that data correspondents can be onboarded and familiarized themselves with the platform over the coming months.

### 7.4. ENTSO-E Grid Map

The System Modelling Manager presented progress on the update of the ENTSO-E Grid Map.

## 8. ERAA 2023

### 8.1. Progress report

The Convenor of the StG ERAA 2023 summarised how ACER's three key priorities are being addressed. A series of technical exchanges took place with ACER and EC. Acceptable and technically reasonable compromises are found and agreed with ACER, ensuring that the methodological choices for ERAA 2023 are fit for purpose and can allow ERAA approval.

The Convenor gave an overview of the timeline which has been under pressure over recent months due to extensive methodological discussions/testing internally and with ACER, data/model corrections and data updates by members to align with national progress. All contingency periods and options to postpone lower priority activities were used in order to maintain the objective of delivering the product before the end of the year. An urgent request was sent to all TSOs with computational capability to ensure the availability of simulations during the summer; members with available infrastructure were contacted directly. The Committee was informed that no further data updates could be requested at this time. The Nordic TSOs reported on the development of regional flow-based domains. Although good progress has been made, there are still quality issues that prevent the use of flow-based domains for the Nordic region in ERAA 2023. As a minimum, the Committee suggested that the domains as developed are available in the report, with transparent framing of quality issues, and requested the Nordic TSOs to provide cross-check with the NTC domains as used in the reference model.

## DECISION

The SDC:

- approves the approach proposed by the ERAA 2023 Steering Group to meet ACER's priorities and takes note of the agreement reached with EC and ACER on methodological options to allow for an approved ERAA2023.
- takes note of the progress on flow-based domain preparations in the Core and the Nordic regions for the purpose of ERAA 2023 simulations and preparations of capability for ERAA 2024

## 9. StG Connection Network Codes

### 9.1 Amendments of RfG NC and DC NC: ongoing stakeholder engagement and upcoming for public consultation

Proposed amendments to the CNC and additional context were presented. The Committee requested that contentious issues or proposals with divergent technical views be raised immediately within the SDC to ensure a clear common position of ENTSO-E. One member abstained from the decision.

#### DECISION

The SDC:

- supports the joint counterproposal agreed with the EU DSO Entity on electromobility and harmonisation of requirements for type A PGMs.
- supports ACER's proposal for the removal of applicability in the SA Baltic in the amendment process of NC RfG and NC DC.

### 9.2 ACER data request on generation and HVDC capacities compliant and non-compliant with the CNC

The presentation of CNC compliance data for the end of June is currently being finalised, based on data collected from all members.

## 10. Scenario Building 2024

### 10.1. Timeline update

The Convenor of the StG Scenario Building presented an update of the NT+ scenario, which is progressing well based on coordinated contributions from the gas and electricity TSOs and is close to the guidance set by the SDC upfront, including needed levels of direct electrification in line with assessments from EC and other authorities. Preparations for a public consultation are ongoing.

The The Long-Term Planning Manager provided further information on the timeline for the NT+, DE and GA scenarios. Members are urged to ensure that their LAC is available in the coming weeks for clarification questions on the NT+ demand figures, which must be resolved before the consultation begins. The trajectories of the DE and GA scenarios for certain technologies/resources are highlighted. While there is a need to clarify diverging interpretations of some NT+ data inputs from two separate surveys, some Committee members also pointed out that some individual country figures, processed centrally, still need to be reviewed.

#### DECISION

The SDC:

- acknowledges the importance of consulting the input parameters and the relevance of stakeholder roundtables for the quality and timely delivery of the Scenarios and TYNDPs.

## 10.2. Demand Figures for Distributed Energy and Global Ambition Scenarios for 2040 & 2050

The Long-Term Planning Manager gave an overview of the state of play of the scenario demand figures based on input from all gas and electricity TSOs.

The figures are validated subject to a consistency check of two input processes and with one member abstaining as specific corrections are still to be considered.

### DECISION

The SDC:

- approves the draft demand figures for the DE and GA scenarios, which were jointly reviewed and adjusted by the electricity and gas TSOs based on EU-27 reference guidance which SDC provided earlier.
- approves to publish the draft NT+ demand data for information after the consistency check on the final electricity demand figures, noting that the draft NT+ figures need limited further pan-European calibration to reach 2030 targets.

## 11. Offshore Network Development Plans 2024

### 11.1 Progress report including stakeholder engagement

The Convenor of ONDP Central Group presented progress on the various workstreams related to the ONDP development, about related recent stakeholder events and collaboration with the project team SB CBCS under the MC, among others looking into the work of the EC on the sea basin cost benefit cost-sharing methodology as this is directly linked to the ONDPs.

## 12. TYNDP 2024

### 12.1 Progress report

The StG TYNDP Convenor presented the main updates with focus on the PCI/PMI process coordination with the EC and ACER (based on TYNDP2022) and a recent public consultation on scope of next TYNDP. It is noted that the scenario building timeline update puts pressure on the rest of the TYNDP timeline.

### 12.2. TYNDP Project –Guidance for Promoters

The Long-Term Planning Manager gave an overview of updates made to the TYNDP Guidance for Promoters compared to last TYNDP cycle and based on recent discussions in the Committee and Steering Group. The draft Guidance will be published for consultation soon. The TYNDP 2024 submission window is then planned from mid-September to mid-October.

A Committee member asked what the implication would be in event there is factually wrong information in a promoter submission, e.g. conflicting with the connection study to the relevant TSO. The Convenor stated that the promoter information is taken without need for review or confirmation; in case of factual inconsistencies alignment will be sought as always with the promoter and with possible involvement of ACER and EC.

A Committee member expressed concern on being able to comply with all provisions and noted that any possible non-compliance can jeopardize later PCI application steps. The Committee discussed specific updates to align with the latest TEN-E text.

The Committee approved the draft Guidance for consultation with two members voting against.

## DECISION

The SDC:

- approves the draft TYNDP2024 Guidance for Promoters for public consultation.

### 13. National updates

#### 13.1. Outlook on the German Transmission System for carbon neutrality in 2045 (Amprion)

The substitute member from Amprion presented the 2023 edition of the German National Grid Development Plan (GDP) addressing the targets years 2037 and 2045, and the evolutions since the previous National GDP.

### 14. Any Other Business

No other points are raised.

### 15. Approval of the Decisions

All decisions as shown and validated during the meeting are approved.