

97th System Development Committee Meeting

Date & Time: 10 May 2023 from 13.30-17.30h

Date & Time: 11 May 2023 from 09.00-13.00h

Place: Dorint Airport Hotel Zurich; Riethofstrasse 40, CH-8152 Opfikon, Switzerland

Participants

Chairman

	Amprion	Germany
--	---------	---------

Vice Chairman

	RTE	France
--	-----	--------

Members

1.	Ceps	Czech Republic
2.	Elering	Estonia
3.	Eles	Slovenia
4.	Elia System Operator	Belgium
5.	EMS	Serbia
6.	Energinet	Denmark
7.	Fingrid	Finland
8.	HOPS d.d.	Croatia
9.	Litgrid	Lithuania
10.	MEPSO	Republic of North Macedonia
11.	REN	Portugal
12.	RTE	France
13.	SONI	Northern Ireland
14.	Statnett	Norway
15.	Svenska Kraftnät	Sweden
16.	Swissgrid	Switzerland
17.	TenneT TSO BV	Netherlands
18.	Transelectrica	Romania
19.	Transmission System Operator-Cyprus	Cyprus

Substitutes

20.	50Hertz Transmission	Germany
21.	Amprion	Germany
22.	APG	Austria
23.	Eirgrid	Ireland
24.	MEPSO	Republic of North Macedonia
25.	Swissgrid	Switzerland
26.	TenneT TSO GmbH	Germany
27.	VUEN	Austria

Conveners StGs and WGs and RGs

1.	StG WG Scenario Building and WG System Design Strategy	Netherlands
2.	Convenor of the Policy and Communication Group	Switzerland
3.	RG Baltic Sea	Germany
4.	RG Continental South-East	Serbia
5.	RG Continental Central East	Czech Republic

Special invitees

1.	Topic 5.1. (11 May) - Candidate from Swissgrid: Appointment of the Convenor of the Steering Group Seasonal Outlook	Switzerland
----	---	-------------

Secretariat

1.	ENTSO-E	
----	---------	--



Participants (remote)

Members

28.	IPTO	Greece
29.	Mavir	Hungary
30.	PSE	Poland
31.	Seps	Slovakia

Substitutes

32.	REE	Spain
33.	Terna	Italy
34.	TransnetBW	Germany

Conveners StGs, WGs and RGs

28.	StG ERAA 2023	Austria
29.	StG TYNDP 2024	Spain
30.	WG Assets, Implementation and Management	Slovakia
31.	RG North Sea	Netherlands

Special invitees

1.	Topic 9.3. (10 May) - Presentation of "APG - Collaboration in energy system modeling using VAMOS"	Austria
2.	Topic 5.1. (11 May) - Report "Risk Method for (optimal) Investment on Assets"	Germany
3.	Topic 5.2. (11 May) - Updated WG AIM ToR incl. Workstream 4 „Asset Renewal Observatory"	Italy
4.	Topic 5.3. (11 May) - Dynamic line Rating Survey – summary and next steps	Austria
5.	Topic 5.4. (11 May) - Use and Experience with Composite Insulators Survey – summary	Slovenia

Excused

1.	AS Augstsprieguma tīkls	Latvia
2.	Creos Luxembourg	Luxembourg
3.	ESO-EAD	Bulgaria
4.	Crnogorski elektroprenosni sistem AD	Montenegro
5.	Landsnet	Iceland
6.	NOSBiH	Bosnia&Herzegovina
7.	OST-Operatori i Sistemit te Transmetimit	Albania

Wednesday, 10 May 2023**1. Attendance, quorum and approval of draft Agenda**

The SDC Chair welcomes all participants to the 97th SDC meeting in Zurich, and warmly thanks Swissgrid for hosting the Committee meeting in Zurich.

The SDC Chair welcomes the substitutes from APG, SONI, and Swissgrid who attend their first SDC meeting in person. He also welcomes the Convenor of the Policy and Communication Group who joins to report on EU Policy updates.

On behalf of the entire organisation, the SDC Chair expresses his sincere thanks to the Convenor of the StG ERAA and the Convenor of the StG Seasonal Outlook, who are handing over their responsibilities after having achieved impressive results and shown leadership during the last cycles of their projects. The role of ERAA Convenor is now in the hands of the new Convenor from APG, recently appointed, and the confirmation of the new Convenor of the StG Seasonal Outlook from Swissgrid will take place tomorrow.

The agenda is approved without further changes. The meeting is quorate. The SDC Chair confirms that participants can formally cast their vote either in person or via teleconference on the decisions proposed during the meeting.

DECISION

32 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 SDC Programme Manager reports on recent discussions and directions on reprioritisation of resources across teams. Progress and alignments on the PEMMDB data collections were also regularly reviewed. The Head of Section draws the Committee's attention to the regularly updated overview of TSO contributions by product and on an individual basis, which is available in the Dashboard. This overview can be used by TSOs internally to review ENTSO-E contributions and can be used in calls to members in case of critical gaps to remind all members to pick up their fair share. The Committee responds that it is helpful to have an overview of both the contributions committed by TSOs and an actual assessment of the active persons.

2.3. Terms of Reference of SDC Programme Management

The Programme Manager presents the plans to update the Terms of Reference for the System Development Programme Management Group. Created in 2020 to facilitate operational coordination between scenarios building, TYNDP, the ONDP and transversal teams dealing with data and models, the PM Group now also involves ERAA. A proposal will be developed and presented at the next SDC meeting. The experience gained in recent years on how the PM can be an interface between StGs and study teams will be considered, as well as a closer look on reprioritisation options of efforts.

3. Report from Assembly 30 March 2023

The SDC Chair informs on recent discussions and decisions of the Assembly, including the approval of the TYNDP 2024 KPIP and principles for the next 2024 budget process. The TYNDP decision puts specific attention on the ONDPs where TSOs are asked to connect proactively with their national authorities to address if their communication needs are covered in order to get buy-in on progress and the end products (See also TOP 6)..

4. SDC Strategy Seminar 2023, 20 June 2023

4.1. Preparation and external speakers

The Convenor of the Working Group System Design & Strategy presents the proposed agenda of the SDC Strategy Seminar of June 2023. The SDC members comment that the discussion on data and models should remain at strategic level a to develop a vision and guidance for the technical SDC workstreams. Previous discussions held in 2022 and early 2023 on the set-up of the StG D&M serve as a starting point.

5. European policy update

The PCG Convenor informs the Committee on legislative progress of the gas package and in particular the recent Council position. He also covers the Electricity Market Design Reform, an overview of ENTSO-E positions that are published, and specifically relevant for SDC focuses on the flexibility needs assessment and the connect with the ENTSO-E scenario work. The Committee discusses implications of the Net-Zero Industry act.

6. Offshore Network Development Plans 2024

6.1 Progress report

The Convenor of the ONDP Central Group presents the status of the ONDP development's current four workstreams. She underlines that work is in a crucial phase with the set-up of the models being under finalization. Data from National Grid ESO on the UK offshore RES capacities in 2030, 2040 and 2050 are expected soon. A fallback solution is being developed.

The ONDPs are developed in alignment with the joint non-binding Member State targets and MSs' expectations on e. g. maritime spatial planning. Regional TSOs and governments coordinate directly on these topics since ENTSO-E's published the 'guidelines for MSs' in Sept 2022 ([link](#)). The ONDP central group had recently provided a dashboard to the RGs to facilitate a regular high-level qualitative monitoring of interactions between regional TSOs and Member States. In case RGs or TSOs would identify and request any need for support from central ENTSO-E level, this could be organized and provided.

6.2 ONDP webinar for Member States, 2 May 2023

On 2 May 2023, a dedicated webinar for Member States was organised by the EC in collaboration with ENTSO-E, to present the main features of the ONDP methodology. After a presentation by ENTSO-E, a Q&A session took place to exchange information and collect Member States' expectations on the first edition of the plans, and in general on the ONDP within the TYNDP framework.

7. RGs activities (beyond TYNDP 2024)

7.1. Main progress and update of convenorship

The six RG Convenors gave a brief update on the activities of their group. The mandate of the Convenor of the RG BS is extended for a third term and that of the Convenor of the RG CCE for a second term.

8. TYNDP 2022

8.1 Final TYNDP 2022 after ACER opinion

The TYNDP 2022 Convenor presents targeted updates proposed to be implemented to the TYNDP 2022 package to follow up on comments made in ACER's Opinion 03/2023 and 04/2023. Edits pertain to publication of additional data, clarifications/further explanations, and correction of errors in the data provided by project promoters. Committee members are informed that the TYNDP website is completely renewed to ensure easier access to key messages and data repositories of all TYNDP editions.

DECISION

The SDC:

- approves the changes to be implemented to the TYNDP 2022 package based on review of the ACER opinion.

9. National updates

9.1 Energy Islands in Denmark (Energinet)

The Energinet member presents the progress in Energinet's two large energy islands being developed over coming decade.

9.2 Celtic interconnection project (Eirgrid/RTE)

The Eirgrid substitute and the RTE member presented a key point on the Celtic Interconnector that is being developed, including actions on public engagement and regulatory decisions.

9.3 Collaboration in energy system modeling using VAMOS (APG)

An invited expert from APG presents the VAMOS platform used to interface databases and tools, used in national studies and TSO collaborative studies such as the Bidding Zone Review. The Committee is invited to consider how the VAMOS experiences can be applied in SDC work.

10. Project Inertia phase II

10.1. Status update and finalization of milestone 1

The Project Manager of Project Inertia phase II informs on the state of work. The Committee asks that communication efforts will be coordinated with the PCG, developing dedicated messages for technical and non-technical stakeholders. The importance is highlighted of RoCoF as a parameter for system stability, the potential benefit for expanding TYNDP studies through the methodology proposed (in alignment with SOGL requirements) and the relevance of risk preparedness and resilience in the assessment of the future energy system.

Thursday, 11 May 2023

1. Review attendance, quorum

The SDC Chair thanks Swissgrid again for hosting the Committee and especially for the excellent evening event in Zurich. The Cyprus TSO member gives some further context on the SDC meeting in June that they host. A warm welcome is given to all members to come to Cyprus for the next SDC meeting and Strategy Seminar 2023. The SDC Chair thanks again the outgoing Convenors of the StG ERAA and StG Seasonal Outlook, both from Elia, and offers a small gift as sign of appreciation.

DECISION

32 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 Initial Budget Proposal 2024

The Head of Section presents the initial budget proposal for the SDC. A gradual increase is needed for 2024 which included efficiencies considering the significantly expanded scope of work, closed projects/expenditures and selected new activities to deliver on legal mandates. The overall trend of increasing expenditures is not proportional to the overall increase of work being delivered, demonstrating operational improvements over time. The SDC budget proposal focuses on cash-out only, it does not include Secretariat staff (projected to be stable) or the large number of TSO experts active in SDC work.

DECISION

The SDC:

- endorses the Initial Budget Proposal for Committee activities in 2024 and confirms all proposed expenditures as minimum needs to deliver on its planning products.

3. TYNDP 2024

3.1 Progress report

The StG TYNDP Convenor informs on recent progress such as the submission of the CBA 4 methodology, the launch of a public consultation on scope of the TYNDP 2024 and specific technical activities.

3.2. TYNDP Project – Submission timeline and Guidance to Promoters

The StG TYNDP Convenor informs the Committee of an update in the timing of the TYNDP 2024 project submission window. A review of the submission guidance is ongoing taking into account the new TEN-E, the ACER Opinion and experiences in the recent TYNDPs. The Committee discusses the approach for delta NTC assessments of TYNDP projects. A written approval will take place in the coming weeks, to allow a public consultation on the guidelines in June. The Committee also requests to consider the outcomes of the ad-hoc team on 70% of the overall TYNDP 2024 timeline.

DECISION

The SDC:

- approves the rescheduling of the next TYNDP2024 project collection window from June 2023 to September 2023.

4. Scenario Building 2024

4.1. Progress Report

The StG Scenario Building Convenor and Project Manager inform on data collections from electricity and gas TSOs. They ask all members to take note of differences collected and actions for alignment, with last resort an averaging of e.g. electrolyser capacities per country. TSOs are invited to review the energy demand figures prepared by the WGSB. Timely review is needed to ensure a public consultation in July is still possible. The Committee emphasizes that the end results need to be credible and robust in ENTSO-E's assessment, and that in case of delays/rescheduling the impact on other TYNDP activities is considered.

DECISION

The SDC:

- acknowledges the importance of the joint electricity and gas TSO review and adjustment of the demand figures (Distributed Energy and Global Ambition) for timely delivery of the Scenarios and TYNDPs.

4.2. Default Demand Figures for Distributed Energy and Global Ambition Scenarios for 2040 & 2050

The Scenario Building Project Manager informs on how scenario inputs at the moment deviate from guidance set by the Committee earlier. The Committee expresses concerns and asks to review with ENTOG how these deviations can be addressed before a proposal is published for stakeholder review in a public consultation.

DECISION

The SDC:

- takes note of the default (pre-TSO adjustment) demand figures for Scenarios DE & GA, which do not meet the guidance set by SDC yet.

5. WG Asset Implementation & Management

5.1. Report "Risk Method for (optimal) Investment on Assets"

The TenneT member of WG AIM presents the report. The Committee welcomes the analyses and asks for further internal dissemination.

DECISION

The SDC:

- approves the internal report "Risk Method for (optimal) Investment on Assets".

5.2. Update WG AIM ToR incl. Workstream 4 „Asset Renewal Observatory”

The Terna member of WG AIM presents the proposal for a new workstream as requested in the last SDC meeting in March. The Committee supports the set-up.

DECISION

The SDC:

- approves the updated WG AIM Terms of Reference which includes the Workstream 4 “Asset Renewal Observatory”.

5.3. Dynamic line Rating Survey – summary and next steps

The topic is dropped for this agenda due to time constraints.

5.4. Use and Experience with Composite Insulators Survey – summary

The topic is dropped for this agenda due to time constraints.

6. ERAA 2023

6.1. Progress report approval of the way forward

The StG ERAA 2023 Convenor gives an update on progress to address ACER’s three key priorities. Acceptable and technically reasonable compromises are found on most aspects. The main point of discussion remains on the cross-border capacities used in the EVA module where ENTSO-E did additional tests to assess alternatives proposed by ACER which were found to give unrealistic results and are based on assumptions that cannot be supported. The Committee supports the proposal of the StG to take TSO NTCs as reference and asks to continue finding a technically robust proposal that can be supported by ACER. Note is taken that the timeline is highly under pressure and that simulations are starting. The Convenor gives an overview of the recent public consultation on preliminary input data. Proposals were reviewed and where needed input assumptions and scenarios amended. The Convenor presents the priorities for target year simulations. Flow-based domains are now made available from Elia (for Core) and the Nordic TSOs. Public webinars on methodology are planned for June. A strong request is made to all TSOs with computational capability and availability to support the process.

DECISION

The SDC:

- endorses the Steering Group proposal to take TSO provided NTCs based on robust arguments and common quality checks as reference for the EVA.
- asks the ERAA project to review options for adapting NTCs partially to mitigate flows outside of potential future flow-based domains, while taking into account ACER’s continued recommendations to maximize cross-border exchanges in planning studies.
- endorses the approach to assess the central reference scenario with Capacity Mechanisms with lowest priority as it can give non-robust results at pan-European level; and thus acknowledges the high likelihood that it will not be implemented in the ERAA 2023 edition due to timing constraints.
- 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.

7. WG Seasonal Outlook

7.1. Appointment of the Convenor of the Steering Group

The SDC Chair introduces the candidate from Swissgrid for the new Convenor role on Seasonal Outlook. The candidate introduces himself and his long experience on this topic from national assessments. The Committee endorses the nomination. The Chair warmly thanks the incoming and outgoing Convenor.

DECISION

The SDC:

- approves the nomination from Swissgrid for the Convenor role of the Seasonal Outlook Steering Group.

7.2. Summer Outlook 2023 progress and next steps for publication

The Adequacy Manager shows provisional results of the Summer Outlook. Reviews are still ongoing.

7.3 Winter Outlook 2023-24 preparation

The Adequacy Manager informs the Committee on the Winter Outlook 2023-2024 process. This targets an earlier main publication (first half of November), with possible ad-hoc update(s) depending on the circumstances. The StG still has to review possible sensitivities to be assessed. Along with the adequacy assessment, the Critical Gas Volume (CGV) analysis is considered as valuable and to be reassessed.

8. WG Data & Models

8.1. Progress Report – Dashboard – Q&A

The System Modelling Manager gives an overview of TSO nominations for the StG Data & Models, the expert groups and data correspondents. The SDC Chair stresses that TSO need to pay more attention on the area, given the recurring push from members also on data management as a strategic topic for the Committee. Several members ask for clarification on the new role of Grid Map Correspondents (GMCs); this will be circulated again. The other decision items are not presented, but available in the session file.

DECISION

The SDC:

- acknowledges the end of the ERAA2023/TYNDP2024 PEMMDB update phase.
- acknowledges the integration of PV with trackers for Italian market nodes into PECD 3.1 for TYNDP2024.
- acknowledges the delay in the Grid Model data collection for TYNDP2024 due to the delays caused by the ERAA2023/TYNDP2024 PEMMDB Update phase.
- acknowledges the end of the Summer Outlook 2023 data collection phase.

8.2. Demand Forecasting Toolbox (DFT) & PEMMDB deployment plan

The System Modelling Manager gives an update on the PEMMDB App development. Deployment for use in next Winter Outlook is set up with an extensive schedule for training and support to TSOs in their first use of the tool.

DECISION

The SDC:

- approves the Demand Forecasting Toolbox (DFT) and PEMMDB deployment plan.
- approves granting limited access to the platforms to ENTSO-E Observer Members and where relevant 3rd country TSOs.

8.3. Grid Map update process & timeline

The System Modelling Manager informs on next steps to update the ENTSO-E grid maps.

DECISION

The SDC:

- takes note of the ongoing progress to publish ENTSO-E grid map updates.

9. Any Other Business

No other topics are raised.

10. Approval of the Decisions

Decisions as shown during the meeting are approved.