

88th System Development Committee Meeting

Date: 22 February 2022

Time: 09.00 – 13.30h

Place: Web-conference

Participants

Chairman

	Amprion	Germany
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Vice Chairman

	RTE	France
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Members

1.	50Hertz Transmission	Germany
2.	Amprion	Germany
3.	AS Augstsprieguma tikls	Latvia
4.	Creos Luxembourg	Luxembourg
5.	Eirgrid	Ireland
6.	Elia System Operator	Belgium
7.	Eles	Slovenia
8.	Energinet	Denmark
9.	Fingrid	Finland
10.	HOPS	Croatia
11.	Litgrid	Lithuania
12.	MEPSO	Republic of North Macedonia
13.	PSE	Poland
14.	REN	Portugal
15.	RTE	France
16.	Seps	Slovakia
17.	Statnett	Norway
18.	Svenska Kraftnät	Sweden
19.	Swissgrid	Switzerland
20.	TenneT TSO BV	Netherlands
21.	Transmission System Operator-Cyprus	Cyprus
22.	TransnetBW	Germany

Substitutes

23.	Amprion	Germany
24.	APG	Austria
25.	Ceps	Czech Republic
26.	EMS	Serbia
27.	IPTO	Greece
28.	Mavir	Hungary

29.	OST-Operatori i Sistemit te Transmetimit	Albania
30.	REE	Spain
31.	SONI	United Kingdom
32.	TenneT TSO GmbH	Germany
33.	Terna	Italy
34.	Transelectrica	Romania
35.	VUEN	Austria

Conveners RGs

1.	RG North Sea	Netherlands
2.	RG Baltic Sea	Germany
3.	RG Continental South-East	Serbia
4.	RG Continental South-West	France
5.	RG Continental Central South	Italy
6.	RG Continental Central East	Czech Republic

Conveners WGs and SGs

1.	WG System Design Strategy	Netherlands
2.	WG Scenario Building	France
3.	WG Asset Implementation & Management	Slovakia
4.	StG Connection Network Codes	Germany
5.	DT CBA	Germany
6.	Offshore Development Core Group (ODCG)	Denmark
7.	SDC Quality Manager	Czech Republic
8.	Member of TF Pan-European Climate Database (TF PECD) (for TOPIC 11.3)	Netherlands

Excused

1.	Elering	Estonia
2.	ESO-EAD	Bulgaria
3.	Crnogorski elektroprenosni sistem AD	Montenegro
4.	Landsnet	Iceland
5.	NOSBiH	Bosnia&Herzegovina

Secretariat

1.	ENTSO-E	
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1. Attendance, quorum and approval of draft Agenda

The SDC Chair welcomes all participants to the 88th SDC meeting. The meeting is again taking place virtually. It is hoped that, based on the recently revised confinement rules and in line with ENTSO-E policy, the next meeting can be organised physically in Brussels.

The SDC Chair confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

There are no new SDC members or substitutes at today's meeting. The Chair welcomes a member of TF PECD who joins to present for Agenda TOP 11.3.

The agenda is approved without further changes.

DECISION

34 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 2022 (based on SDC WP 2022)

The SDC Programme Manager gives an overview of the SDC dashboard. Most topics are discussed later in the agenda. At a recent planning programme meeting, the involvement of RGs in the upcoming IoSN studies was discussed. This also opens the discussion on the collection, merging and use of long-term grid models within ENTSO-E, at least for regional studies in the TYNDP context.

The Head of Section informs the Committee that the revision of the WG D&M Terms of Reference (ToR) was still planned, but at a later moment than originally envisaged. This is to better align with the preparations of the new ICT Committee, which will mainly liaise with the SDC via the WG D&M.

3. Resource planning for TYNDP - Status

The Head of Section informs the Committee on the status of the TYNDP staffing. The Committee discussed at end of 2021 some new options to secure additional and sufficient for TSO expert resourcing for the legal mandates that ramp up in size and complexity. As many activities on national and European level require the same highly skilled experts; those experts are scarce. Several members encouraged to keep looking into new solutions and service schemes which allow TSOs to plan sufficiently in advance and with a long-term perspective as building the necessary expertise requires time and considered Secretariat staffing/secondments as part of this approach. This will be considered for the next annual and five-year budget rounds. The SDC Chair confirms it is essential to consider both efficiency and secure the delivery of key work products and the agreed SDC ideas will be brought to Board and Assembly attention.

4. SDC Strategy Seminar 2022 – Next steps

The WG SDS Convenor shares a summary of the proposed next steps after the Strategy Seminar of January. The Seminar provided a common understanding of the opportunities and risks of implementing the TEN-E legal requirements, and how to plan for them with clear priorities.

The SDC Chair adds that while the scope is increasing, time and resources constraints will stay, hence the need for a fundamental review of how to deliver the many TYNDP products. As agreed in January, several workshops will be scheduled in March to develop a renewed vision of the TYNDP with a definition of the key products foreseen in the TEN-E. While the aim is to keep the workshop groups efficient in terms of size, any SDC member or RG Convenor interested in participating is strongly encouraged to contact the Secretariat.

An SDC member asks to still consider innovation tracks in the new TYNDP set-up to not jeopardise the main TYNDP workstreams and allow for early pilots on possible next cycles. The SDC Program Manager adds that

the process has indeed become more complex, but that different products also serve different purposes. Possible risks on misalignments in future TYNDP cycles will be mitigated with appropriate measures.

DECISION

The SDC:

- acknowledges the opportunities, risks and priorities identified in the SDC Strategy Seminar of 19 January 2022.
- approves the allocation of topics for the WGs and TFs for early activities to be aligned with Steps 2 and 3 of the earlier approved action plans.

5. Elaboration of SDC Work Programme 2023 and of SDC Budget 2023

In the coming months, various initiatives are underway to define the preparations for 2023. The WG SDS Convenor explains that the WG will, as always, prepare a SDC Work Programme focusing on the non-legal mandates, i.e. the preparation of the first pilot studies and strategic communications. The Head of Section informs that the ENTSO-E Annual Work Programme is already shaping up and covers the legal mandates. In addition, the SDC budget and resource plan exercises should be more fundamental to explore long-term resource needs and solutions to guide and incentive the contributions of TSO experts. The SDC Chair asks to discuss the new resource options for SDC members at the physical meeting on 1 April 2022.

6. European policy update

The Secretariat gives an overview to the Committee of Fit-for-55 and gas/H2 package legislative timelines, as well as ongoing internal ENTSO-E reviews leading to possible contributions in the EC's public consultation. Focus is on the REDIII, EED and AFIR files.

7. Offshore Development

7.1. Status Position Paper #6

The ODCG Convenor presents the recent progress of the sixth Offshore Position Paper, which will be submitted to the joint committee for approval today. The latest version incorporates feedback from a recent review and a well-attended internal webinar.

7.2. Offshore network development plans (*incl. Feedback from mini-retreat*)

Yesterday's SDC mini-retreat facilitated a discussion with SDC members on the approach and organisation of the new sea-basin offshore network development plans (ONDPs), to be developed in line with the new TEN-E. A first Terms of Reference (ToR) for the workstream will be prepared for SDC approval in April. Review of a first draft of the ToR by the Committee is to take place in March. The SDC Chair emphasises that while the first ONDPs will give important first learnings, they are clearly part of the TYNDP package as foreseen in TEN-E. Consistency despite different timings needs to be ensured with the Scenarios and IoSN cycles.

8. ERAA 2021

8.1 ERAA 2021 stakeholder consultation

The ERAA Convenor already reported on the consultation feedback received for ERAA 2021 at the previous SDC meeting in January. The team has diligently reviewed all inputs and reflected them in a stakeholder report. The project team will also use the consultation outcome to further engage in the next ERAA 2022, bilaterally with the associations and with public workshops in the coming months.

DECISION

The SDC:

- approves the ERAA 2021 consultation report.

9. ERAA 2022

9.1 Update of Project Initiation Document

The ERAA Steering Group discussed the earlier approved project timeline for the coming months. A pre-consultation on the main data and input assumptions is planned. Several stakeholder workshops are also planned on the main methodological assumptions. In order to ensure smooth and constructive engagement with stakeholders, ACER and other authorities, the project team proposes that SDC mandates the Steering Group to validate early information sharing. The Steering Group updated the PID with this concept. Other improvements in terms of efficiency and clarification are also made to the PID and discussed with the Committee. The question is raised as to whether the price cap value is fixed for the next ERAA. The Convenor informs that the options are still under discussion and that this issue will also be raised at the public workshop on methodology and assumptions.

DECISION

The SDC:

- approves the updated Project Initiation Document (PID).
- acknowledges the planned and needed increase of stakeholder engagement activities in ERAA 2022.

10. StG Connection Network Codes

10.1. Updated Terms of Reference and appointment of additional members of the StG CNC

The StG CNC Convenor informs the Committee about an analysis carried out by the StG concerning the staffing of the teams and the organisational set-up. Based on this analysis, a more streamlined structure is suggested, in which three of the four CNC teams are combined into one. The Terms of Reference are updated accordingly. The Convenor also informed the Committee about the involvement of the TSOs in the StG. Two new members are proposed for the StG, which is highly appreciated.

10.2. Issue with lack of nominations for the team Leader position

At the same time, one of the teams still does not have a leader, despite a call for applications and several reminders to all SDC members. This lack of ownership of coordination roles is becoming structural. As a

temporary solution, the StG Convenor proposes to take the lead of the team. The Chair underlines the importance of the CNCs in SDC's work and asks the TSO members to consider further involvement.

DECISION

The SDC:

- approves the updated Terms of Reference of the StG CNC.
- approves the two nominations received from PSE and IPTO for new members of the StG CNC

11. WG Data & Models

11.1. TF Demand Forecasting – PID extension

The WG D&M Convenor informs the Committee of the latest timeline for the Demand forecasting project, which was also presented at the last SDC meeting. The delivery of the project is now scheduled for August, whereas the end date was planned for last December. This also includes test runs and checks with the TYNDP and ERAA study teams who are expected to use it from the end of the year. The PID is being updated accordingly to ensure that the TSO experts involved in the TF can remain engaged in the project.

DECISION

The SDC:

- approves the PID extension of the TF Demand Forecasting Methodology.

11.2. Demand Forecasting Tool – SaaS & hosting

The WG D&M Convenor presents a proposal from the Demand Forecasting project team to have a software-as-a-service solution for the tool. This is a considerable improvement compared to the current tool which requires stand-alone installations, or other options such as hosting the platform by ENTSO-E or a third party host. The approach is checked by the Digital Section of ENTSO-E. The Convenor presents the benefits of the approach.

DECISION

The SDC:

- decides to use the Developer Solution for hosting of the new demand forecasting toolbox application and related data.

11.3. PECD: Framework Agreement (MoU) with ECWMF

A member of the TF Pan-European Climate Database (PECD) recaps the timeline of the PECD project on which SDC decided in July to collaborate with ECWMF/C3S. A technical requirements document has already been developed by the TF and shared with ECWMF/C3S. The collaboration is now formalised by an MoU between the two organisations. ECWMF/C3S had to reschedule its activities due to the negotiations with the EC. This implied a rescoping of the planned activities with ENTSO-E, but at an acceptable level in order to continue to aim for a PECD development respecting the initial schedule. The next steps after the signature of the MoU are the selection of a contractor by ECWMF/C3S on the basis of a public procurement before the summer. The TF PECD is also continuing its activities by developing a public research paper and gaining recognition for the ENTSO-E approach in the scientific community.

DECISION

The SDC:

- approves the establishment of a formal cooperation agreement with ECWMF through a Memorandum of Understanding for the development of PECD v4.0.

11.4. Use of CGMES 3.0 for TYNDP2024

The WG D&M Convenor informs the Committee of a draft roadmap to start using the CGMES 3.0 in SDC studies. The international standard of CGMES 3.0 is now available with a possibility for accredited certification of tools. Discussions start with study teams on the use in the TYNDP and ERAA. Risk mitigations are identified. A strategy for use in SDC will be presented to the Committee for approval before summer.

Based on several milestones, the actual use of v3.0 in TYNDP should be decided in early 2023. When the strategy is set this year, this implies that TSO members need to engage with their tool developer on how to work towards CGMES 3.0 compliance in time and ensure that sufficient tools demonstrate compliance. At the moment, tools are just starting to go through compliance testing. Long-term planning tools (SDC) are also being considered for compliance assessments before the operational tools.

12. RGs activities (beyond TYNDP 2022)

All RG Convenors give updates on main activities in their respective Regional Group.

13. TYNDP 2022

13.1. Status update

The TYNDP Steering Group Convenor presents the status of work, including IoSN studies, preparation of CBA market models, the NT network model being almost final, the conclusion of an offshore IoSN innovation track and the launch of an ILM activity. An update of the project list approved at the previous SDC meeting is presented. Interaction continued with the project promoters that could not be selected because they did not meet the Guidance for TYNDP Applicants. Engagement with ACER and the EC on progress and planned next steps is intensifying. The SDC decided at the last meeting to organise a targeted consultation on the results of the CBA with the relevant project promoters; a short public consultation may still be considered. Discussions in the Steering Group are also focusing on specific aspects of the CBA implementation and delivery timing, mainly to enable the TYNDP to feed into the next PCI process.

13.2. Update of CBA 3

The DT CBA Convenor informs the Committee about the status of the CBA v3.0, which was submitted to the EC one year ago. Recent exchanges with the EC have indicated that a formal decision from the EC is expected soon to clarify the next steps.

13.3. Approval of the implementation guidelines

The DT Convenor summarises the main updates to the implementation guidelines since the last SDC discussion. These updates take into account recent feedback from webinars and a survey-based public consultation. The Steering Group validated the guidelines.

DECISION

The SDC:

- approves the TYNDP 2022 CBA Implementation Guidelines and corresponding table with answer to the consultation comments.

14. TF Sector Coupling

14.1 Internal discussion paper "Flexibility from Sector Integration"

The TF Sector Coupling Convenor summarises the main messages of the paper "Flexibility from Sector Integration", which was developed by the TF with input from other group across Committee. The paper is discussed with the Vision 2050 project team and is for the time being kept as an internal discussion paper. It is important to align within ENTSO-E across Committees on the topic.

DECISION

The SDC:

- approves the internal discussion paper on Flexibility from Sector Integration.

15. WG Scenarios Building 2022

15.1. Final scenarios results and approval timeline

The Steering Group Scenario Building Convenor summarises the recent progress of the TYNDP 2022 scenarios and the next steps for approval, in coordination with ENTSG. The main insights of the updated scenarios are presented and discussed. The Committee is also informed about the type of data that will be shared in the public reports, data packages and the visualisation platform.

15.2. Update on lessons learned from the 2022 edition

The Steering Group Scenario Convenor looks back the Scenarios 2022 process and forward the possibilities for improvement for the next TYNDP cycle. Work will pick up soon as ACER starts to develop Guidelines for the new cycle.

16. External cooperation

16.1 National Grid ESO

The Head of Section informs the Committee that the SDC Chair had contacted NG ESO to initiate a technical cooperation agreement for data exchange. Approval of formal Working Agreements is still pending from the authorities, which would allow ENTSO-E and the UK TSOs to reinstate collaboration in technical areas, such as ONDPs. In the case that approval is still pending, a pragmatic way forward will be established to maintain contacts at working level in key areas.

16.2 Ukrenergo

Ukrenergo applied for ENTSO-E Observer membership end of last year. The Head of Section informs the Committee of the process including legal reviews and identification of collaboration areas. Specific areas have been identified for collaboration in SDC.

17. Any other business

No other topics are discussed

18. Approval of the Decisions

The SDC Chair states that all decisions taken during the meeting were either those proposed in the Session File or, if updated, those that were clearly shown and checked on the screen during the meeting.