

102nd System Development Committee Meeting

Date: 27 March 2024

Time: 09.00 - 12.50h

Place: Online (Teams)

Participants (*online*)

Chairman

	Amprion	Germany
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Vice Chairman

	RTE	France
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Members

1.	Amprion	Germany
2.	AS Augstsprieguma tīkls	Latvia
3.	Ceps	Czech Republic
4.	Crnogorski elektroprenosni sistem AD	Montenegro
5.	Eles	Slovenia
6.	EMS	Serbia
7.	Energinet	Denmark
8.	ESO-EAD	Bulgaria
9.	Fingrid	Finland
10.	HOPS	Croatia
11.	IPTO	Greece
12.	Litgrid	Lithuania
13.	Mavir	Hungary
14.	MEPSO	Republic of North Macedonia
15.	REE	Spain
16.	REN	Portugal
17.	RTE	France
18.	Seps	Slovakia
19.	Statnett	Norway
20.	Svenska Kraftnät	Sweden
21.	Swissgrid	Switzerland
22.	TenneT TSO BV	Netherlands
23.	Terna	Italy
24.	VUEN	Austria

Substitutes

25.	50Hertz Transmission	Germany
26.	APG	Austria
27.	Eirgrid	Ireland
28.	Elia System Operator	Belgium
29.	PSE	Poland
30.	SONI	North Ireland
31.	TenneT TSO GmbH	Germany
32.	Transelectrica	Romania
33.	TransnetBW	Germany
34.	Ukrenergo	Ukraine

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.	StG Connection Network Codes	Germany
5.	WG Assets, Implementation and Management	Slovakia
6.	RG Continental South-West	Spain
7.	RG Continental South-East	Serbia
8.	RG Continental Central East	Czech Republic
9.	RG Baltic Sea	Germany
10.	RG North Sea	Netherlands

Secretariat

1.	ENTSO-E	
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Excused

37.	Creos Luxembourg	Luxembourg
38.	Elering	Estonia
39.	Landsnet	Iceland
40.	NOSBiH	Bosnia&Herzegovina
41.	OST-Operatori i Sistemit te Transmetimit	Albania
42.	Transmission System Operator-Cyprus	Cyprus

1. Attendance, quorum and approval of draft Agenda

The SDC Chair welcomed all Committee members for their participation in this meeting held via web-conference.

The meeting was quorate. The agenda was endorsed without further updates.

DECISION

34 out of 40 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. Board and Assembly updates**2.1 Debrief Board 31 January and Assembly 7 March 2024**

The SDC Chair informed about the high-level roundtable meeting held last Monday 25 March 2024. The event saw about 43 participants and was attended by the Belgian Minister for Energy and the EU Commissioner for Energy. The roundtable discussed additional actions needed to advance grid development, including supply chains, financing and regulatory questions.

Recent Board and Assembly meetings also covered the updated ENTSO-E Strategy Roadmap, progress on the Offshore and Grid Infrastructure Expert Groups, and preparations for next annual work program and budget cycles.

3. SD Programme Management**3.1. SDC Dashboard: Progress on products and resources**

The Convenor of the Programme Management Group (PMG) presented the status on products and resources. Overall TSO member committed resources are showing a positive trend, and in addition, it may be necessary to review the ToRs so as not to underestimate resource requirements.

The Interlinked Model is recognized as an important activity and has so far delivered valuable experience and real progress. Ambitions could be even higher, but limited TSO resources and other priorities mean that the TF ILM cannot be adequately staffed in the coming months.

DECISION

The SDC:

- acknowledges that the ongoing TYNDP collaborations on Scenario Building and the achievements up to the latest ILM report are substantial milestones that fulfil the TEN-E obligations regarding the interlinked model which is an important product.

3.2. TYNDP 2026 preparation

The manager of the Long-Term Planning team presented the strategic topics to be addressed in the setup of the 2026 TYNDP cycle. He highlighted that an early preparation of a Key Policy Issues Paper enables a single TYNDP package approach enhancing coordination. The Committee suggested the involvement of the Expert Groups under the Board. The timeline for delivery has been clarified after a short discussion, acknowledging that operational preparations for a next Scenarios cycle need to start soon.

DECISION

The SDC:

- decides to initiate the preparations of a single KPIP for the TYNDP 2026 and Scenarios 2026, leading to a coordinated elaboration of the TYNDP 2026 and Scenarios 2026 PIDs.

3.3. Final ToRs of SD Programme Management

The Convenor of the Programme Management Group presented the revised version of the Terms of Reference, taking into account comments provided by several members in recent weeks.

DECISION

The SDC:

- approves the Terms of Reference of the SD Programme Management Working Group.

3.4. Prioritisation exercise of SD activities

The SD Programme Manager presented the outcome of a committee prioritisation exercise. The outcome based on this ad-hoc exercise will feed into the Board Strategy Workshop next month, and this exercise deserves regular review also at Committee level. The activities identified as of low added value are especially discussed. Further plans will be developed how to continue with these.

Some of the activities identified as strategic face gaps in the TSO's resources. It was also pointed out that the resources that might be freed up by ceasing to carry out these activities could not simply be reallocated to other ENTSO-E activities based on the skills and TSO directions. The Committee supports the list as an initial categorization of priorities for future internal use.

The Convenor of WG SDS presented three possible topics considered for the SDC Strategy Seminar 2024. Members may send comments in the coming weeks .

DECISION

The SDC:

- approves the draft priority list of Association wide and Committee specific activities.

3.5. Budget 2025 timeline

The SD Head of Section presented the timeline for the development of the 2025 ENTSO-E budget. A proposed budget for System Development activities will be presented for Committee approval in May, and then feed into Board and Assembly approvals.

DECISION

The SDC:

- takes note of the budget 2025 timeline.

4. Offshore Cost Sharing

4.1. Guidance from Assembly and Board, and progress from MC

The SDC Chair presented the guidance received from the Assembly and the Board in recent weeks. The PT CBCS continues developing a single ENTSO-E response to the EC informal questionnaire on offshore cost sharing.

4.2. PT CBCS - SDC contribution to the development of joint answers to EC questionnaire

The SDC groups assessed the technical aspects and the implementation of the mandate under Article 15.2 of the TEN-E Regulation, supporting the activities of the PT CBCS. The experts from these groups discussed in particular the links and the mutual impacts between the new mandate and the ongoing TYNDP work.

4.3. Terms of Reference of WG Analysis of Costs and Benefits (WG ACB)

The new WG covering the CBA methodologies, technical guidance for cost-sharing applications and building on the ONDP experience will become operational soon based on new developed Terms of Reference. These were circulated for review; no new comments were raised. A call for members and Convenor gave enough candidates. The Convenor candidate will be proposed for SDC endorsement as soon as possible. The Committee underlined that the group would take on the implementation aspects related to the mandate under article 15.2 of the TEN-E (including the necessary technical coordination exchanges with the EC), and not advocacy work on cost sharing in general, which is assigned to other ENTSO-E bodies.

DECISION

The SDC:

- approve the Terms of Reference of the Working Group Analysis of Costs and Benefits (ACB).
- takes note of the nominations received for the new WG ACB.

5. StG Data & Models

5.1. Dashboard

DECISION

The SDC:

- takes note of the StG Data & Models Dashboard updates.
- acknowledges and supports the efforts of StG Data & Models to work on the exploratory study of a Common Market Modelling Format (named COMODAS).
- approves the disclosure of the requested grid model dataset (STUM) to the requesting party.

The Committee took note of the D&M dashboard and endorsed all decisions and actions.

5.2. Lessons learnt about demand data collections

The System Modelling Team gave a reflection on the recent demand data collections where a new intensified process and tooling were applied. Some Committee members raised specific clarification requests which will be taken up by the team.

DECISION

The SDC:

- takes note of the progress of the ERAA 2024 and Summer Outlook 2024 demand data collection.

6. ERAA 2023

6.1. Progress report

The Convenor of the StG ERAA provided a status update on ERAA 2023 and the recently closed re-runs. The ACER final decision on ERAA 2023 is expected second half of April 2024. A few more weeks were needed compared to the foreseen three-month process due to a re-run requested by ACER. The re-run was triggered to fix a modelling error in a gas cost assumption for Germany. ENTSO-E formally confirmed that the impact on end results is minimal based on initial EVA runs. ACER nevertheless insisted on a full re-run on the whole perimeter of ERAA, Economic Viability Assessment as well as Economic Dispatch. These were now completed and sent to ACER, confirming the minor impact.

DECISION

The SDC:

- takes note of the progress regarding ACER's forthcoming decision on ERAA 2023.

6.2 Request for data

The Convenor of the StG ERAA informed about a stakeholder requesting ERAA 2023 hourly ENS results for each study zone and for all climate year samples. In line with established procedures, the hourly results will be published. Note, referring to the previous agenda topic, this will be based on latest output from the re-runs.

DECISION

The SDC:

- approves the publication of the final Economic Dispatch ENS hourly data for each MC sample year to complement the ERAA data package.

7. ERAA 2024

7.1. Data collection and resource commitment

The Convenor of the StG ERAA reminded the public data consultation (Call for Evidence) closes on 28 March 2024 to allow for final national input updates. At later stage no data updates, except data corrections to solve model stability issues, can be allowed.

The Convenor of the StG ERAA stressed that in coming months a thorough testing of the models will require an intensive involvement from the ERAA TSOs experts. Committee members with nominated resource commitments are urged to ensure a meaningful active contribution. In addition, the StG ERAA Convenor highlighted that a strong computational power support from the TSOs will be required from May and across the summer period.

The Committee discussed that in addition to the system cost minimisation approach of previous final ERAAs also a strong commitment is needed on the parallel work stream via revenue-based approach. Progress is to be given in next meetings.

DECISION

The SDC:

- takes note of the ERAA 2024 progress and the importance of the actual availability of committed resources for an efficient implementation of the analyses.
- reconfirms the equal priority level of both EVA approaches.

7.2. Nomination of Flow-Based experts inside ENTSO-E

The Convenor of the StG ERAA stressed that the Flow-Based domain development is a critical activity. It is recognised as a core competence area of the TSO community, so the aim should be that these are developed by TSO experts. He also stated that a long-term solution with appropriate tooling needs to be anticipated, while ensuring during the transition the delivery of operational Flow-Based domains for coming ERAA editions.

DECISION

The SDC:

- acknowledged the need to extend expert involvement in Flow Based Market Coupling modelling and secure a long-term sustainable approach.

8. TF ERAA repurposing

8.1. Approval of ERAA repurposing principles

The Convenor of the Task Force (TF) ERAA Repurposing presented an internal strategy paper about possible role and purpose of future ERAAs, which was shared with the Committee for review and feedback. The main pillars of this paper relate to (i) giving additional focus to the key uncertainties that impact the European Power System with scenario/sensitivities selection, (ii) reassessing the objective and methodology of economic viability assessment (EVA), (iii) careful selection of reference scenarios, target years and sensitivities, and (iv) reinforcing the complementarity of National Resource Adequacy Assessments (NRAA) with the ERAA.

One TSO abstained from the decision.

DECISION

The SDC:

- endorses the key proposals to repurpose future ERAAs.

9. TYNDP Scenarios 2024

9.1. DE/GA models approval

The StG Convenor and Scenario Building Project Manager gave an update on the final validations of the DE and GE scenarios, and how final remarks from TSOs are planned to be clarified in the report. Work needs to close to allow for the further TYNDP work to continue. The limitations in what can be modelled now, also based on timing constraints, and acknowledging the value of the work delivered so far, the Committee endorsed the results. The full report will be shared for written voting, and clarifications as requested by some TSOs are under development.

At this moment, five TSOs abstain from the decision.

DECISION

The SDC:

- approves the Distributed Energy & Global Ambition results for the TYNDP 2024.
- takes note of the identified modelling limitations which need to be clarified in the public report.

9.2. Appointment of the new Steering Group member

The Committee Chair informed on the candidature received for the StG position.

DECISION

The SDC:

- approves the nomination from Terna as member of the Scenarios Steering Group.

10. StG Connection Network Codes

10.1. ENTSO-E feedback on ACER recommendation on NC RfG and NC DC (letter to EC)

The Convenor of the StG CNC recalled the SDC request previous meeting to perform an analysis identifying the most relevant ENTSO-E concerns of ACER's recommendation. The StG CNC prepared a letter to the European Commission which highlights the ENTSO-E key considerations of the ACER recommendation on the following points: (i) rate of change of frequency (RoCoF) withstand capability, (ii) the three-year implementation period, (iii) new significant active loads (power to gas, data centres and heat pumps), and (iv) low frequency demand disconnection (LFDD) in DSO connected demand facilities of significant size.

Regarding the three-years implementation period, in the case of grid forming, there is a clear and separate implementation path which is three years and shall not be shortened. The grid forming capability is non-exhaustive and needs to be detailed at national level, based on the IGD that is planned to be ready by the end of 2024. In addition, based on Article 4 of NC RfG, an exception can be provided even for the exhaustive requirements for short-term projects.

Member TSOs were strongly encouraged to raise awareness with their national authorities on this ENTSO-E assessment.

DECISION

The SDC:

- approves the letter to raise ENTSO-E's concerns on select topics of ACER's recommendation for NC RfG and NC DC amendments.

10.2 Update of the StG CNC ToR

The Convenor of the StG CNC informed on a restructuring of the teams, which is described in a proposed ToR update.

Regarding activities, the Committee informed whether the implementation monitoring reports will continue. The StG CNC Convenor stated that a vast majority of TSOs saw benefit in these reports. The proposal is therefore to trigger updates on ad-hoc basis, depending on TSOs needs.

DECISION

The SDC:

- approves the updated Terms of Reference of the StG CNC.

11. Any Other Business

No other topics were raised.

12. Approval of the Decisions

The Chair stated all decisions as shown on screen during the meeting are considered approved.