# Final Minutes

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# 87th System Development Committee Meeting

Date: 20 January 2022
Time: 09h00 – 13h10
Place: Web-conference

# Participants

### Chairman

|   | Amprion | Germany |
|---|---------|---------|

### Vice Chairman

|   | RTE | France |
|---|-----|--------|

### Members

| | | |
|-----|--------------------------|------------------------------|
| 1.  | AS Augstsprieguma tïkls  | Latvia                       |
| 2.  | Ceps                     | Czech Republic               |
| 3.  | Creos Luxembourg         | Luxembourg                   |
| 4.  | Eirgrid                  | Ireland                      |
| 5.  | Elia System Operator     | Belgium                      |
| 6.  | Elering                  | Estonia                      |
| 7.  | Eles                     | Slovenia                     |
| 8.  | Energinet                | Denmark                      |
| 9.  | Fingrid                  | Finland                      |
| 10. | HOPS                     | Croatia                      |
| 11. | Litgrid                  | Lithuania                    |
| 12. | Mavir                    | Hungary                      |
| 13. | MEPSO                    | Republic of North Macedonia  |
| 14. | PSE                      | Poland                       |
| 15. | REN                      | Portugal                     |
| 16. | RTE                      | France                       |
| 17. | Seps                     | Slovakia                     |
| 18. | Statnett                 | Norway                       |
| 19. | Swissgrid                | Switzerland                  |
| 20. | TenneT TSO BV            | Netherlands                  |

### Substitutes

| | | |
|-----|----------------------|---------|
| 21. | 50Hertz Transmission | Germany |
| 22. | Amprion              | Germany |
| 23. | APG                  | Austria |
| 24. | EMS                  | Serbia  |
| 25. | IPTO                 | Greece  |

### Substitutes

| | | |
|---|---|---|
| 26. | OST-Operatori i Sistemit te Transmetimit | Albania |
| 27. | REE | Spain |
| 28. | SONI | United Kingdom |
| 29. | Svenska Kraftnät | Sweden |
| 30. | TenneT TSO GmbH | Germany |
| 31. | Terna | Italy |
| 32. | Transelectrica | Romania |
| 33. | TransnetBW | Germany |
| 34. | 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. | StG Connection Network Codes | Germany |
| 4. | WG Asset Implementation & Management | Slovakia |
| 5. | DT CBA | Germany |
| 6. | Offshore Development Core Group (ODCG) | Denmark |
| 7. | SDC Quality Manager | Czech Republic |

### Excused

| | | |
|---|---|---|
| 1. | ESO-EAD | Bulgaria |
| 2. | Crnogorski elektroprenosni sistem AD | Montenegro |
| 3. | Landsnet | Iceland |
| 4. | NOSBiH | Bosnia&Herzegovina |
| 5. | Transmission System Operator-Cyprus | Cyprus |

### Secretariat

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

# Final Minutes

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

The SDC Chair welcomes all participants to the 87th SDC meeting, being the first Committee meeting of 2022. The Chair confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

The Chair thanks the organisers of yesterday's Strategy Seminar for excellent preparations, and the entire Committee for their active contributions.

Despite initial plans, the Strategy Seminar and this SDC meeting are still taking place virtually. We hope that a physical event can take place again soon. This also means that the original plan to organise a farewell celebration for all the outgoing Convenors of recent years is still on the table for a future meeting.

The Chair welcomes attendees joining for a first time, in this case the substitute member of Transnet BW and the recently appointed StG CNC Convenor.

The agenda is approved without further changes.

| DECISION |
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| 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 informs on main progress across SDC deliverables. The transition between Scenarios and TYNDP is secured despite many challenges. Some aspects on the Scenarios are to be addressed still, which focus on the 2050-time horizon. This does not impact the TYNDP IoSN and CBA which focus on 2030 and 2040. Also, a new Interlinked Model study will kick-off soon which is addressed in a later agenda item.

The Head of Section informs the Committee on the TSO staffing of TYNDP2022 study teams. The pilot project initiated last year resulted in some additional experts that could be allocated to the teams and for which discussions with the respective TSOs are still ongoing. It is also emphasised that the ERAA 2022, though only just started, appears to face resource limitations as well. The Committee is informed in a later agenda item of the situation. The SDC Chair asks all Committee members to consider additional staffing for the ERAA or increasing the availability of the nominated colleagues and that committed resource contributions (especially when focused on short duration critical periods) are respected.

    2.2.    Change timeline of Offshore Position Paper nr. 6

The ODCG Convenor presents the updated timeline for developing the sixth ENTSO-E offshore position paper. An internal webinar will be organised on 10 February 2022. Members are asked to take note of the updated review and approval timelines.

### 3. Election of the SDC Vice Chair

The Committee unanimously supports the appointment of the current Acting SDC Vice-Chair as SDC Vice-Chair for a further full term. The elected SDC Vice-Chair thanks the Committee for their trust, even though there was no opportunity yet to meet many of the new members who joined the Committee in recent years, and he looks forward to working with all.

| DECISION |
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| The SDC: |
| ➢ elects the candidate nominated by RTE as the SDC Vice-Chair for a two-year term of office starting on 24 January 2022 and ending on 24 January 2024, in accordance with 25.3 of the IR and in compliance with the AoA. |
| ➢ confirms that the SDC Vice-Chair continues the role of SDC Programme Manager. |

### 4. European policy update

The Secretariat shares an overview of the latest TEN-E adoption timeline and progress in many other legislative proposals that impact the SDC's work. The Board recently asked PCG to set up the FITACT team to coordinate internal reviews, consultation responses, and other external outreach related to the Fit-for-55 package. This group will at short term also look into a potential consultation response to the hydrogen and decarbonised gas package in areas that impact ENTSO-E's mandates.

### 5. Term of Reference of the new Committee on Information and Communication Technology (ICT) - implementation

The Committee is joined by the SOC Chair, the Dc Chair, the Head of the Digital Section and external contractors to inform SDC on progress to establish a new ICT Committee. Draft ToR were shared with all Committees recently for review. The ICT Committee implementation team and SDC discuss possible interactions of both Committees in future, and specific other roles of the new Committee. Further work is needed to clarify how the new Committee links to SDC's work. Interactions are evident in some activities of WG Data & Models. Also, at project level (TYNDP/Scenarios/ERAA) some interactions may arise related to data publications and visualisation tools. The ICT Committee implementation team interacts at regular milestones with dedicated, business users from each Committee. As per an earlier SDC decision, this was so far the Head of Section and WG D&M Convenor. The member of 50Hertz offers to join this SDC team in further exchanges with the implementation team.

### 6. SDC Strategy Seminar 2022 – Feedback

The WG SDS Convenor and Secretariat share a summary of the three workstreams in yesterday's SDC Strategy Seminar, as well as planned next steps. The ambition is to develop a clear Vision statement and PIDs for the 2024 Scenarios and TYNDP cycles in light of the new TEN-E requirements by next Summer in a three-step process supervised by the Committee. Concrete decisions and next step actions as direct outcome of the Seminar will be proposed for SDC decision by the WG SDS for next SDC meeting.

| DECISION |
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| The SDC: <br> ➢ The SDC takes note of the outcome of the SDC Strategy Seminar 2022 and planned next steps for preparing the 2024 Scenarios and TYNDP PIDs. |

## 7.  WG Asset Implementation Management
### 7.1  Technologies Report on the Use of Drones for Asset Management

The AIM WG Convenor reports on the status of the draft report on the "Usage of Drones" that was presented at the last SDC meeting. The draft report has not required any update since then. The Committee approves the report as final and for publication. Going forward, the AIM WG will further review the regulatory conditions for the use of drones by TSOs.

| DECISION |
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| The SDC: <br> ➢ The SDC approves the Report "Usage of Drones" |

## 8.  StG Connection Network Codes
### 8.1  ENTSO-E guidance document for monitoring of compliant/non-compliant Power Generating Modules, HVDC systems and DC Power Park Modules

The StG CNC Convenor presents the upcoming work to prepare a monitoring report on compliance of PGMs, HVDC systems and DC PPMs. All TSOs are required to provide their monitoring data as stated in the relevant Regulations in due time. For some data collections, third parties need to be contacted by TSOs, so members are encouraged to start the data collection as soon as possible. The deadline for data delivery is 30 April 2022. The NCLPs at all TSOs will be informed of practical arrangements.

## 9.  WG Data & Models
### 9.1.  Demand Forecasting Tool

The TF Demand Forecasting co-Convenor gives a summary to the Committee of the ongoing project to implement a new Demand Forecasting tool. Implementation is foreseen by next summer and meets various new technical requirements and user interaction improvements. A warm thanks is expressed to all actively involved TSOs in the TF. Further contributions, or any comments on the project plan are welcome. The Committee is informed that some legal aspects on usage are still being reviewed. Also, a decision will be taken in next SDC meeting on the hosting strategy of the new tool.

### 9.2.  Update on the PEMMDB

The WG D&M Convenor gives a summary of the implementation of a new Pan European Market Modelling Database (PEMMDB) application. This is one of the largest projects of SDC in terms of budget investment and will provide a substantial improvement to handle ever more complex data processes in ERAA, TYNDP, Scenarios and Seasonal Outlooks, as well as a much better grip on data quality checks by TSOs, study teams and the D&M team.

**10. ERAA 2021**

   10.1   ERAA 2021 status on consultation and review by ACER

The ERAA 2021 Convenor informs the Committee of ACER's recently shared preliminary position. ENTSO-E engaged with ACER via a formal response and an oral hearing. ACER plans to finalise its ERAA 2021 decision by mid-February.

**11. ERAA 2022**

   11.1   Appointment of the ERAA 2022 Steering Group members

Recently a call was shared with the SDC for Steering Group members and Market Study Team members to drive the next ERAA 2022. Eight TSO nominations together with the WG D&M Convenor are endorsed to represent the SDC as the next ERAA's Steering Group. Members from Energinet ask whether regional representation can be ensured. The ERAA Convenor acknowledges that some aspects have a clear regional dimension (e.g. Nordics Flow-Based) and further regional actions and attention may be needed during the process. The Committee also takes note the Market Study Team received fewer expert nominations than foreseen in the PID so far. Members are encouraged to further strengthen the study team and review the call for members as shared last year. The situation will be closely monitored by the ERAA Steering Group and PMO.

| DECISION |
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| The SDC:<br>&#9655;  approves the nominated candidates from APG, CEPS, Elia, RTE, Terna, TenneT TSO BV, TransnetBW and PSE as members of the ERAA 2022 Steering Group, mandated to represent the view of the Committee in line with the ERAA 2022 PID. |

**12. Winter Outlook**

   12.1   Monitoring update

The Secretariat's Seasonal Outlook product manager informs the Committee of a Winter Outlook re-run that was performed early January due to changes mid-December in the availability of nuclear plants in France. An update of the Winter Outlook was reviewed by the WG Seasonal Outlook in close coordination with RTE and shared with the EC, ACER and ECG.

**13. TYNDP 2022**

   13.1.   Election of TYNDP 2022 Steering Group Convenor

Until now the TYNDP 2022 Steering Group had no formal Convenor appointed yet. REE nominated a candidate for this role, who was already part of the Steering Group and an active contributor in many previous TYNDP cycles. The Committee endorses the nomination of the candidate.

| DECISION |
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| The SDC:<br>&#9655;  approves the nomination by REE for Convenor of the TYNDP 2022 Steering Group. |

### 13.2. Status update and updated TYNDP 2022 Roadmap

The Head of Section informs the Committee of a recent decision by the Steering Group to update the TYNDP 2022 Roadmap by having a more targeted consultation of CBA results with relevant project promoters. This targeted consultation is planned to take two weeks and comes in addition to the planned two-month consultation on the rest of the TYNDP package (including IoSN and insight reports). Comments received will be added to the draft TYNDP package submitted to ACER and can be processed in next steps. This approach allows for more time in the CBA process while still meeting ACER's expectation to have a draft TYNDP by end of October, and while ensuring a clear consultation opportunity with each project promoter prior to publication as committed to in the Guidance to promoters. CBA results can be progressively shared to each project promoter as soon as they are robust and validated by the Steering Group.

| DECISION |
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| The SDC:<br>➢ approves the updated TYNDP 2022 Roadmap. |

### 13.3. Updates of CBA implementation guidelines

The DT CBA Convenor informs the Committee on the outcome of the public consultation related to the CBA implementation guidelines. Most comments were on hybrid projects. Engagements with ACER and EC continue. The guidelines are being finalized and will be submitted for SDC written vote early February. Some more time may be taken to ensure ACER's feedback is well taken into account. The constraining factor for the approval timeline is that project promoters in TYNDP2022 need to be informed in due time of how to submit their PLIs. Sharing of the new guidelines also implies that the latest CBA (v3.1) which has been submitted to the EC last year and still has a pending decision, will be published. SDC members further discuss how offshore hybrid projects would now be assessed to ensure a fair comparison with other interconnectors.

## 14. TF Interlinked Model
### 14.1 Innovation study on interlinked model

The Secretariat presents a proposal from the TF Interlinked Model to initiate a pilot study for a dual system CBA with an agile project approach. This study would implement and further build on the screening methodology published by both ENTSOs. To ensure fast delivery of insights, a small project team receives a mandate to develop and test further methods on an independent basis. The TF ILM and SDC Program Management act as sounding boards where the project team can present and discuss progress. SDC is the owner of the study and has a final decision power on whether to approve any outcome for internal use or publication. If the latter, then alignment with ENTSOG is needed on whether this would be a joint publication. This approach is endorsed by the SDC. A small but sufficiently staffed project team is ready to start the study. SDC members are welcome to nominate further experts to join.

| DECISION |
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| The SDC:<br>➢ mandates the TF Interlinked Model to constitute an ad-hoc innovation team for a pilot study. |

**15. Scenarios 2022**

    15.1. Summary of the updates based on the stakeholder & TSO feedback

The WG Scenario Building Convenor summarises the main feedback received in the recent consultation and how these have been integrated. This includes among other adaptations of CCS levels, biomass generation and gas peaker units. The updated joint ENTSO scenarios now align more closely with the EC scenarios for the 2050-time horizon. A notable exception remains energy efficiency which is lower, resulting among others also in higher gas-based generation, especially in the DE scenario. The SDC asks the WG SB to work towards the 2050 finalisation of the DE scenario with stronger emphasis on higher energy efficiency.

    15.2. Procedure timeline

The scenarios for the 2030/2040-time horizons are robust and already used for the next TYNDP steps. Finalisation and approval of the joint ENTSO Scenario Report is planned soon, with the February meeting as preferred option, subject to final alignments on the 2050-time horizon.

**16. Scenarios 2024**

    16.1. Kick-off Scenarios 2024: scope and strategic decisions

Work will have to start soon on the next Scenarios cycle. This was already extensively discussed in the SDC Strategy Seminar 2022. WG Scenario Building already plans to make proposals for improved methodology and expert resourcing to feed into the next PID. In any case, early engagement with ACER is needed to understand their framework guideline process and substance following from the new TEN-E process.

**17. DT Planning Standards**

    17.1 Feedback from ENTSO-E Internal Workshop on "Future workstreams on Inertia and cross-committee collaboration" 17 December 2021

The DT PS Convenor informs the Committee on the outcome of an internal workshop in December that covered work of Project Inertia and closely related topics in other Committees.

    17.2. New PID for the Project Inertia phase II

| DECISION |
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| The SDC:<br>  ➢ approves to expand the analysis of phase one of the Project Inertia, through the implementation of a new cross-committee initiative involving SDC, SOC and RDIC. |

The Project Inertia resulted in a first publication end of last year. As an outcome from this project and the December cross-committee workshop, next steps for a follow-up project are to be prepared. The TF will prepare a PID by March. SDC will take the lead, with contributions from other Committees. A further technical study is a logical next step. However, the initial project already identified that this issue needs to be brought to the attention of policy makers and regulators as well for further action. The next phase of the project needs to provide recommendations in this regard.

**18.     Any other business**

No further topics are raised.


**19.     Approval of the Decisions**

The SDC Chairman 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.