

69th System Development Committee Meeting

Date: 23 January 2020

Time: 09.00 – 17.00h (SDC meeting)

Place: ENTSO-E premises, Avenue de Cortenbergh 100 - 1000 Brussels - Ground Floor

FINAL MINUTES

Chairman

	RTE	France	
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Vice Chairman

	Amprion	Germany	
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Members

1.	Svenska Kraftnät	Sweden	
2.	HOPS	Croatia	
3.	TenneT TSO BV	The Netherlands	
4.	Ceps	Czech Republic	
5.	RTE	France	
6.	Amprion	Germany	
7.	Elering	Estonia	
8.	TenneT TSO GmbH	Germany	
9.	Seps	Slovakia	
10.	Statnett	Norway	
11.	REN	Portugal	
12.	Creos Luxembourg	Luxembourg	
13.	Swissgrid	Switzerland	
14.	Red Electrica de Espana	Spain	
15.	Mavir	Hungary	
16.	Fingrid	Finland	
17.	50Hertz Transmission	Germany	
18.	JSC EMS	Serbia	
19.	Energinet.dk	Denmark	

Substitutes

20.	Litgrid	Lithuania	
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21.	Terna	Italy	
22.	EirGrid	Ireland	
23.	SONI	United Kingdom	
24.	OST-Operatori i Sistemit te Transmetimit	Albania	
25.	IPTO	Greece	
26.	OST-Operatori i Sistemit te Transmetimit	Albania	
27.	Elia System Operator	Belgium	
28.	AS Augstsprieguma tīkls	Latvia	
29.	Transelectrica	Romania	
30.	TransnetBW	Germany	
31.	APG	Austria	
32.	VUEN-Vorarlberger Übertragungsnetz	Austria	
33.	PSE	Poland	
34.	National Grid	United Kingdom	
35.	OST-Operatori i Sistemit te Transmetimit	Albania	

Conveners RGs

1.	RG North Sea	Denmark	
2.	RG Baltic Sea	Germany	
3.	RG Continental South East	Serbia	
4.	RG Continental South West	Portugal	

Conveners WGs

5.	WG System Design Strategy	Germany	
6.	WG Data & Models	Italy	
7.	StG Connection Network Codes	Germany	
8.	MAF	Belgium	
9.	DT CBA	Germany	

Secretariat

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

The SDC Chair welcomes on behalf of the Committee the new members from Terna, Elia and OST.

Take note
➤ The Chairman states that the Committee meeting is quorate.

2. Approval of the minutes of the SDC meeting on 27 November 2019, Bucharest

APG and 50Hz proposed some changes which were accepted by all SDC members.

Decision
Approval
➤ The SDC approves minutes of the SDC meeting on 27 November 2019 with the following corrections: Topic 8 (Decision mode A) - Update of NDA for German NRA data disclosure and Disclosure of data to UKRENERGO: mention that 50Hz and APG voted against the decision in the absence of formal feedback from LRG.

3. SDC Dashboard 2020

Take note	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC takes note of the SDC Dashboard 2020. ➤ The SDC takes note of the status of RG North Sea Convenorship to be reported in March meeting. 	<ul style="list-style-type: none"> ➤ RGs concerned

4. Quality Management Scheme

Take note
➤ The SDC takes note of Quality Management Scheme.

5. TYNDP 2020

- TYNDP 2020 package: list of insight reports

The release of the TYNDP is timely for the TEN-E discussion and will be impactful. The topics for the insight reports are suited for accompanying these discussions.

The main TYNDP report will include a more focused analysis of the scenarios, especially in terms of how these scenarios are in the direction of the Green Deal and enablers of the policies therein.

Offshore wind analyses will be included in the main report rather than a dedicated insight report given their inseparable nature to the onshore studies.

Sector coupling Insight Report could be prepared by TF Sector Coupling. The CEP insight report could be led by the “70% TF”.

Decision	
Approval	Purpose/notes
➤ The SDC approves the list of insight report topics of the TYNDP2020 package.	
Actions requested	Responsible body/Date of expected report
➤ The SDC requests that a leader must be identified for each report, and notes the option of not producing the report in case sufficient resources are not allocated from the SDC members.	➤ Secretariat

- Technology Platform: Should it be part of the TYNDP2020 package?

Unlike in previous TYNDPs, there is no insight report planned on technologies because WG1 under RDIC is developing an online platform covering the same content. The platform will be made publicly available on ENTSO-E's website when the factsheets are final.

The platform is not part of the TYNDP 2020 package, instead the TYNDP deliverables will refer to this platform. Completeness and accuracy of the technology factsheets is very important. The RDIC is responsible for the quality and accuracy of the technology factsheets to be published on the platform. The ENTSO-E secretariat is responsible for ensuring consistency between the project sheets of the TYNDP2020 package and the technology platform.

Decision	
Approval	Purpose/notes
➤ The SDC approves that the Technopedia should not be considered as part of the TYNDP Package, but rather be an independent product referenced in the TYNDP	
Actions requested	Responsible body/Date of expected report
➤ The SDC requests the secretariat to launch an internal and external call for experts in both SDC and RDIC to support the finalisation of the technology factsheets.	➤ Secretariat
➤ The SDC requests the secretariat to check consistency of the information between TYNDP Project Sheets and the Technopedia so that it can be used as reference in the TYNDP.	➤ Secretariat

- SG Progress reports

TYNDP project manager presents document listing all upcoming project phases where SDC members input will be required. The document is not operational, it is for information. The TYNDP Team will ensure that regular updates of the document are communicated to SDC members, so that members can plan their availability accordingly. The project plan of the TYNDP 2020 is extremely ambitious and dense. Timely data delivery and resources delivery are critical.

○ *Finalisation of the “Current Trends” 2030 scenario*

The SDC has approved the methodology and the initial datasets. Comments from ACER were received late. The TYNDP Steering Group decided that these comments could be implemented without going back to SDC, upon the condition that the methodology was respected and that it reflects the information that TSOs have transmitted. For 3 of the 4 countries concerned by the comments, the change requests were implemented in full or partially.

The results will be sent in writing to the SDC for approval at the beginning of February.

○ *IoSN 2040: ToC and key messages*

The secretariat presents the main deliverables on IoSN 2040. SDC members stress that this publication is crucial to informing both the TSO community and external audiences of the challenges and the efforts needed to materialize the energy transition and how TSOs contribute to that.

○ *List of candidate projects (current status update)*

A total of 169 projects were submitted (this is less than the number communicated in the session file, as 3 projects have been unsubmitted recently). The list of accepted and rejected projects will be submitted to SDC approval in mid-February.

○ *Opt-out option categories for CBA assessment*

ENTSO-E offered to project promoters who applied to the TYNDP2020 the possibility to opt-out of the CBA, if the projects had all investments under construction or if the commissioning year of all investments is 2035 or later.

○ *AOB: Projects sheets*

The new proposed field “alternative solutions” should be reviewed as it can cause miscomprehensions. The project sheets are still in draft form and have not yet been approved by the TYNDP SG. The project sheet template will be updated considering the comments received.

6. Scenario Building

- Convenorship of Working Group

No nominations received for the role of convener. Should be clarified that the convener role should only consist of leading the working group and ensuring the discussions are led in an impartial manner to reach a consensus. If there are no nomination for convener, other options should be considered.

Decision	
Actions requested	Responsible body/Date of expected report
➤ The SDC asks the Committee members to respond to the call for convenorship of Scenario Building Working Group by 30 January 2020.	➤ 30 January 2020

- Scenario Building Process for TYNDP 2022 (+Feedback from mini-retreat)

The mini-retreat highlighted feedback from the Working Group and the members of the mini-retreat. The main point highlighted was governance focused, with themes being Governance, Project Management and stakeholder engagement. The current scenario results demonstrate ENTSO-E’s capability to produce high quality results in full transparency and maintaining a neutral approach. Issues were raised regarding how the new scenarios should better fit the Green Deal, how the quality of the scenarios can be increased by allowing an iterative loop between them and the TYNDP studies. A crucial point refers to the need to mobilize more resources in the TSO community and the secretariat.

Decision	
Actions requested	Responsible body/Date of expected report
<ul style="list-style-type: none"> ➤ The SDC asks the secretariat to launch a call for nominations of an ad hoc Task Force to prepare the KPIP and PID of the 2020-2022 Scenario building at the May 2020 SDC meeting. The Task Force should include at least participants of TF Sector Coupling, of the ACTIVE 2020+ project, and of the current SG SB members. 	<ul style="list-style-type: none"> ➤ Secretariat
Take note	
<ul style="list-style-type: none"> ➤ The SDC takes note of the outcomes of the mini-retreat and lessons learnt. 	

- High-level scenario slide set

Decision	
Actions requested	Responsible body/Date of expected report
<ul style="list-style-type: none"> ➤ The SDC members are asked to send comments on the presentation until 5 February 2020 to the SDC chair. 	<ul style="list-style-type: none"> ➤ SDC members ➤ 5 February 2020
Take note	
<ul style="list-style-type: none"> ➤ The SDC takes note of the High-Level Scenario Slide set. 	

7. 3rd CBA Guideline

- Version for ACER opinion

After the presentation by the DT Convenor, the discussion focused on the apparent inconsistency between the sustaining CAPEX and the exclusion of the benefits generated in the period between the assessment period and the end of the project lifetime. The discussions lead to consider the C1B CAPEX indicator to be defined as relative to the assessment period of the project.

SDC members also highlight that the assessment period as well as the discount rate seem at this point to reflect solely our best judgment and deviations from national practices are observed. While this is not a blocking point, there should be flexibility that these could be updated without reopening the CBA methodology.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC approves the 3rd ENTSO-E Guideline for Cost Benefit Analysis of Grid Development Projects for submission to ACER. This will start the official approval process. This will include the following precisions: <ul style="list-style-type: none"> ○ The C1B CAPEX indicator is to be defined relative to the assessment period of the project. ○ Discount rate 4%: A footnote will be added stating that “allows the Implementation 	

<p>Guideline to confirm or review the discount value applied.”</p> <ul style="list-style-type: none"> ○ 25-year assessment period: a footnote will be added stating that “allows the Implementation Guideline to confirm or review the assessment period applied.” ➤ The SDC approves to submit the table with consultation answers and ENTSO-E response prepared by DT CBA to ACER together with CBA 3. ➤ The SDC approves the publication of the above-mentioned documents on the ENTSO-E webpage. 	<ul style="list-style-type: none"> ➤ Send to ACER ENTSO-E’s response prepared together with CBA 3
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- Focus on the most critical elements added after consultation based on EC and ACER preliminary feedbacks.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC approves the “most critical elements” changed after consultation based on EC and ACER feedback. 	

- ENTSO-E answers to DNV-GL questions concerning PROMOTioN CBA.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC approves the ENTSO-E’s answer to DNV-GL concerning the PROMOTioN CBA consultation. 	

8. Sector Coupling

- Status of Way forward on Sector Coupling

TenneT informs of the publication a new study that introduces sector coupling in infrastructure planning in their website.

Decision	
Actions requested	Responsible body/Date of expected report
<ul style="list-style-type: none"> ➤ The secretariat is asked to organize a two-hour WebCo for the presentation of the status of the work for SDC members as well as TYNDP SG and WG Scenario Building members. 	<ul style="list-style-type: none"> ➤ Secretariat ➤ End of February 2020
Take note	
<ul style="list-style-type: none"> ➤ The SDC takes note of the current status of the work done by the TF. ➤ The SDC takes note that in February 2020, the 2-pages roadmap will be submitted to the Board as” “Strategic Framework for TYNDP in light of multi sector planning” 	

➤ The SDC takes note that the TF Sector Coupling will organize an SDC webinar to explain the details of the roadmap and ask participants for feedback in preparation of the final roadmap.

- Note on Trinomic’s study

Some positive comments supporting the note developed by the TF Sector Coupling on the Trinomics study. Some more days are asked in order to add a few additional comments.

Decision	
Approval	Purpose/notes
<p>➤ The SDC approves the note on the Trinomics study “Impact of the use of the biomethane and hydrogen potential on trans-European infrastructure”.</p>	<p>➤ The arguments presented will be shared in the discussions and with the EC.</p>
Actions requested	Responsible body/Date of expected report
<p>➤ The SDC members are invited to provide additional arguments up to 30 January 2020. Convenor of WG SDS is mandated to finalise the note.</p> <p>➤ The SDC asks SDC members and ENTSO-E SD section to use the note content for the upcoming exchanges with the European Commission in the context of Sector Coupling.</p>	<p>➤ SDC members</p> <p>➤ Convenor of WG SDS: 30 January</p> <p>➤ SDC members</p> <p>➤ Secretariat</p>
Take note	
<p>➤ The SDC takes note that it is important to highlight the limits of this study given that the EC has presented it in different contexts where Sector Coupling was discussed.</p>	

9. Update on Green Deal

WG SDS Convenor presents an initial overview of Green Deal estimated impact on ENTSO-E. A large part of its items is expected to be relevant for ENTSO-E activities. This will be further followed up.

10. Board Project ACTIVE2020+

SDC Chair presents an overview of the project, with focus on the SDC related item “Energy System 2050”. Some items will be further scrutinized during the SDC Strategy Seminar 2020. No additional SDC body or structure is foreseen. WG SDS will play a major role in coordinating, while WG Scenario Building and TF Sector Coupling will be tightly involved.

11. Work Programme 2021 - preparation

WG SDS has prepared the draft Work Programme 2021 based on the SDC Work Programme 2020. Projects, activities and deliverables related need to be reviewed and updated by WGs, RGs and Projects.

Decision	
Actions requested	Responsible body/Date of expected report
➤ The SDC asks all WGs/RGs/Projects to review the draft work programme 2021 and to refine it especially with regard to activities, deliverables, stakeholder interaction and budget.	➤ WGs/RGs/Projects: 21 February 2020
Take note	
➤ The SDC takes note of the draft SDC Work Programme 2021 for the contribution to the preparation of the ENTSO-E Work Programme 2021	

12. TEN-E Regulation Review: proposal for joint task force and way forward

The SDC Vice Chair presents the context of the expected review of the TEN-E Regulation during the year 2020. The review would be led by DG ENER with a consultation in spring. The decisions below define the way SDC is willing to contribute to the TEN-E review.

Decision	
Approval	Purpose/notes
➤ The SDC approves the initiation of a dedicated Task Force with cross-committee representation with the joint lead of WG System Design Strategy and Policy Communication Group.	➤ Prepare a position for the upcoming review of the TEN-E regulation
Actions requested	Responsible body/Date of expected report
➤ The SDC asks the secretariat to make a call for members/volunteers and Convener of the Task Force within WG SDS and also asking the support from other Committees and specialized groups.	➤ Secretariat: 15 February 2020
Take note	
➤ The SDC takes note that a non-exhaustive list of committees and specialized group that could contribute to the Task Force are: the Policy Communication Group, the Market Committee (WG EF), the LRG. ➤ The SDC takes notes of the aspects that of priority. ➤ The SDC takes note of the potential milestones' proposal.	

13. Workshop “Offshore development: elaborating a view on the upcoming challenges and potential solutions”

- ◆ Feedback and direction on way forward

After the presentation on the main results of this workshop and a short discussion, the following decisions were taken:

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC approves the key messages outlined during the internal workshop “Offshore development: elaborating a view on the upcoming challenges and potential solutions”. 	<ul style="list-style-type: none"> ➤ These key messages will be used to contribute to the discussion held, especially in the upcoming ITEG meeting and the drafting of the TYNDP
Actions requested	Responsible body/Date of expected report
<ul style="list-style-type: none"> ➤ The SDC asks WG SDS to structure the upcoming work on developing an ENTSO-E offshore position in close cooperation with the Regional Groups. WG SDS will function as a Core Team supported with additional members and is responsible to have a complete view of all developments (including coordination of future specialized Task Forces). ➤ The SDC asks the secretariat to make a call for 4-5 additional WG SDS members with focus on offshore development. ➤ The SDC asks the Core Team to set up the necessary actions to develop an ENTSO-E opinion for the upcoming debate and to draft a first strategic position paper on the topic in time for the discussions expected along the year 2020. 	<ul style="list-style-type: none"> ➤ A team with strong connection to the SDCs strategic work is needed to elaborate the strategic ENTSO-E position on offshore connections on windfarms and possible development to a grid. ➤ Secretariat: 15 February 2020 ➤ WG SDS: 5 March 2020
Take note	
<ul style="list-style-type: none"> ➤ The SDC takes note of the result of the internal workshop “Offshore development: elaborating a view on the upcoming challenges and potential solutions”. 	

14. **WG Data & Models**

- SDC data disclosure guidelines (*Status update on process from LRG 13/1 telecom*)

A new Task Force Data Disclosure is setup with 2 members from WG Data & Models, 2 SDC members and 2 LRG members. A proposal to setup a webinar to inform SDC.

- TF PEMMDB Convenorship

Current crucial data collection period while a Convener for TF PEMMDB is missing. Work in progress.

15. MAF 2020

- MAF 2020 PID

The SDC Members observe that MAF 2020 will be based on latest NECP which may differ from TYNDP 2020 published scenario. TYNDP 2020 Steering Group will thus coordinate with MAF 2020, especially regarding 2030. Next Scenario Building will need to coordinate tightly with future ERAA.

The SDC Chair notes that the PID reflects accurately the contents of the work, however it seems not entirely compliant with SDC governance rules.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC approves the MAF 2020 Project Initiation Document (PID) ➤ The SDC approves the current PID and mandates the team to start working on this basis. 	<ul style="list-style-type: none"> ➤ Clarification should ensure compliance with the governance rules approved by SDC in November 2018.
Actions requested	Responsible body/Date of expected report
<ul style="list-style-type: none"> ➤ The SDC asks MAF Steering Group to implement the clarification complements and notify SDC of the updated version of the PID. 	<ul style="list-style-type: none"> ➤ MAF SG

16. Resource Adequacy

- Resource adequacy methodologies – feedback of ongoing public consultation

VoLL explanatory note and ERAA appendix will be circulated to all SDC and MC members.

Some TSOs have comments and concerns about the risk of having issue in real time that are not foreseen in the assessment if too optimistic.

- Cross border participation to CM methodologies

SDC raises concerns regarding the ability to calculate precise values based on the assessment and in general about how these solid theoretical principles could be implemented in practice. TF Adequacy reminds that more details should be inserted in the methodology between April and June, and that ERAA should be the best available product to rely on. Also, some numbers could be tested based on examples.

REN abstains from the decision voting.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC approves the principles for determining maximum entry capacity described in the section 2 of XB participation to CM methodology single document for forwarding them to the Market Committee. 	
Actions requested	Responsible body/Date of expected report

➤ The SDC requests the group to provide numeric tests of this methodology prior to the delivery to ACER.	
Take note	
➤ The SDC takes note of the 6 methodologies package draft and its formal approval planned on 28 January by the Market Committee	

17. Report from the GC ESC on 12 December 2019

As a standard item of the Grid Connection European Stakeholder Committee (GC ESC) agenda, the implementation monitoring of the Connection Network Codes (CNCs) was discussed. ENTSO-E has been reporting on the developments over the last two years, with ACER and certain stakeholders e.g. manufacturer associations reporting on the issue too. CNC (RfG, in particular) national implementation is a focus issue due to the relevance on the design specifications.

Public Monitoring documents were compared against each other e.g. ENTSO-E’s monitoring files, ACER’s monitoring report, and certain deviations between national selections have been spotted, mainly due to the different timings of collecting the information. Such inconsistencies will be corrected, reducing the uncertainty for market participants. Any deviations will be examined, improving the quality of future reporting.

ENTSO-E will contribute to that by revamping the collaboration with the national experts.

18. Update on DSO-TSO Steering Group

The SDC is provided with an update on the status of the TSO-DSO Interface Steering Group with a proposed decision on a path forward.

The presentation summarized the outcomes of this initiative in 2019 which included prioritizing cooperation between DSOs and TSOs in scenario building and data and information exchanges. A Steering Group meeting was held on 8 January 2020 with the 2020 work programme finalized. The key 2020 deliverable is a Roadmap detailing how progress on TSO-DSO cooperation on scenario building will be realized with a presentation of this Roadmap at the Copenhagen Forum.

Decision	
Actions requested	Responsible body/Date of expected report
➤ The SDC requests the secretariat to organise a specific dialog with the DSO associations for the TYNDP 2022 scenario building including a meeting with them before the Copenhagen Forum in May 2020.	➤ Secretariat
➤ The SDC asks the secretariat to investigate the formalization of this dialogue (for example via an MoU or letter) to be approved at March meeting.	➤ Secretariat
➤ The SDC agrees that a mini-retreat will take place on 4 March in order to finalize the roadmap of TSO/DSO cooperation on scenario building and asks a specific Core Team to prepare it: SDC	➤ SDC Chair and secretariat

Chair and possible volunteers, with the support of the secretariat.

19. RGs activities (beyond TYNDP 2020 and 2022)

- RG's activities

20. Topics for next mini-retreats in March 2020

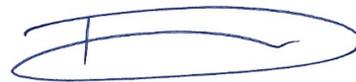
Two mini retreats were proposed during the meeting.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> ➤ The SDC approves the following topics in the SDC mini-retreat session on 4 March 2020: <ul style="list-style-type: none"> • Strategic Framework for TYNDP in light of multi sector planning • TSO/DSO cooperation on scenario building 	

21. Any Other Business



Gerald Kaendler
Vice Chairman of the System Development Committee



Dimitrios Chaniotis
Chairman of the System Development Committee