

71st System Development Committee Meeting

Date: 20 May 2020 Time: 09.00 – 17.00h Place: Web-conference:

Final Minutes

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	RTE	France	

Vice Chairman

Amprion	Germany	
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Members

1.	50Hertz Transmission	Germany	
2.	Amprion	Germany	
3.	APG	Austria	
4.	Ceps	Czech Republic	
5.	Creos Luxembourg	Luxembourg	
6.	Eirgrid	Ireland	
7.	Elering	Estonia	
8.	Eles	Slovenia	
9.	Elia System Operator	Belgium	
10.	Energinet.dk	Denmark	
11.	Fingrid	Finland	
12.	HOPS	Croatia	
13.	MEPSO	Republic of North Macedonia	
14.	Red Electrica de Espana	Spain	
15.	REN	Portugal	
16.	RTE	France	
17.	SONI	United Kingdom	
18.	Statnett	Norway	
19.	Svenska Kraftnät	Sweden	
20.	Swissgrid	Switzerland	
21.	TenneT TSO BV	The Netherlands	
22.	TenneT TSO GmbH	Germany	
23.	Terna	Italy	
24.	Transelectrica	Romania	
25.	TransnetBW	Germany	
26.	VUEN-Vorarlberger Übertragungsnetz	Austria	



Subsitutes

27.	AS Augstsprieguma tïkls	Latvia	
28.	IPTO	Greece	
29.	Mavir	Hungary	
30.	PSE	Poland	
31.	Seps	Slovakia	

Conveners RGs

1.	RG North Sea	Denmark	
2.	RG Baltic Sea	Germany	
3.	RG Continental South East	Serbia	
4.	RG Continental Central East	Slovakia	
5.	RG Continental Central South	Italy	
6.	RG Continental South West	Portugal	

Conveners WGs

1.	WG System Design Strategy	Germany	
2.	WG Scenario Building	France	
3.	WG Data & Models	Belgium	
4.	StG Connection Network Codes	Germany	
5.	SG Scenario Building	Italy	
6.	SG Seasonal Outlook	Italy	
7.	DT CBA	Germany	

Secretariat

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	1.	ENTSO-E	ENTSO-E				

1. Attendance, quorum and approval of draft Agenda

The SDC Chair welcomes all participants to this SDC meeting via teleconference especially put in place due to the particular circumstances related Covid-19 business trip restrictions. The SDC Chair confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

Take note

Since 31/41 of the TSOs represented in the System Development Committee are attending, the Chairman states that the Committee meeting reaches the necessary quorum of half its members

2. Approval of the minutes of the SDC meeting on 5 March 2020, Brussels

No comments from SDC members.

	Decision
>	The SDC approves minutes of the SDC meeting on 5 March 2020.



3. SDC Dashboard and Quality Management Scheme 2020

TYNDP2020 project had to be rescheduled due to Covid-19 and cyber-incident to delivery by October 2020. Identification of System Needs still expected before summer. Managing jointly the consequences of this delay is still under discussion with EC and ACER; during formal and informal exchanges on scenarios and energy system integration EC expressed interest in getting results as soon as possible to inform Green Deal related analyses. For the same reasons MAF2020 needs to be substantially descoped while keeping its timelines.

Apart from these challenges, the rest of the Work Programme is on schedule or under non-impactful delays.

In order to make the Dashboard and Quality Management Scheme more user friendly, there is a survey (see link in the session file) allowing members and conveners to express their opinion on how to improve the format.

	Decision				
	Actions requested	Responsible body/Date of expected report			
>	The SDC members and WGs/RGs Conveners are requested to complete the Survey to review the format of the SDC Dashboard.	> SDC members and convenors/ 25 May			
>	The Secretariat and the SDC Chair will propose a new template of SDC Dashboard to be effective from the next meeting in September.	Secretariat and SDC chair/ End of June			
	Take note				
>	The SDC takes note of the SDC Dashboard 2020 and Quality Management Scheme 2020				

4. Recovery from Cyber Incident

Secretariat staff continues to implement the Cybersecurity Recovery workplan. The SharePoint platform has been rebuilt and all files and functionality copied over from the legacy SharePoint (as of COB, 19 May 2020).

Secretariat staff are currently testing the new environment to ensure that all files are available and that it functions comparably to the prior environment. Once testing is complete and any identified issues resolved, the new SharePoint system will be open for use. This should occur by 1 June 2020. Secretariat IT staff will be communicating to TSO staff new access procedures and will request that TSOs validate current authorized users for their organization. Additional procedures are being implemented to permit necessary third-party access to the new SharePoint.

5. Measures on the functioning of the SDC to address the Covid19 impact on business traveling

Anticipating short to medium-term travel restrictions due to Covid-19, the SDC will continue to take place based on remote sessions. To maintain an efficient, transparent, and agile organisation, half-day sessions with double frequency (1 per month) are proposed with a reduced agenda. Mini-retreats and Webinars for ad-hoc issues will be maintained. Convenors and secretariat supporting a Working Group which is not expected intervene according to the agenda are free to participate. Usefulness of hybrid meeting physical/remote was discussed. This will be tested for review at the end of 2020.



The reserved dates for ad-hoc meetings will be used for the formal 4 hours hybrid SDC meetings.

Decision	Decision				
Approval	Purpose/notes				
The SDC agrees in principle that measures for increased tele-conference meetings will be implemented for the SDC for 2020. The SDC asks the Chair and Vice Chair to fully consider the SDC feedback, and upon confirmation by the ENTSO-E Secretary General, decide on whether and how those measures are to be implemented for the period from June 2020 until December 2020					
Actions requested	Responsible body/Date of expected report				
The SDC are invited to provide their feedback to the SDC Chair on the proposed measures for the functioning of the SDC to address the anticipated traveling restrictions due to the Covid19 spread, by 27 May 2020	SDC members to SDC ChairBy 27 May 2020				

6. SDC Strategy Seminar 2020 – Feedback from web-conference 28 April 2020

The WG SDS convenor presents the outcome of the SDC Strategy Seminar held online on 28 April 2020. The Strategy Seminar discussions allowed to identify actions with different level of priorities that are submitted for SDC approval. A clear conclusion on enhancing Stakeholders communication and engagement, as well as managing the alignment of national and European policies emerged.

Feedback will be sent to the external interviewees.

	Decision			
	Approval	Purpose/notes		
>	The SDC agrees to put special emphasis on stakeholder communication, especially using the existing format of the Network Development Stakeholder Group.			
	Actions requested	Responsible body/Date of expected report		
A	The Secretariat is requested to put special emphasis on stakeholder communication, especially using the existing format of the Network Development Stakeholder Group. The Secretariat is requested to coordinate the implementation of the actions as identified in SDC Strategy Seminar.			
	Take no	te		
>	The SDC acknowledges the priorities in regard to transparency and stakeholder interactions.			
>	 The SDC acknowledges that the multi-Sector Planning Support (MSPS) reinforces the desired directio in regard of stakeholder interaction and content. 			
>				



7. SDC Budget 2021 (+Feedback from mini-retreat)

The SDC has collaboratively developed a proposed 2021 "cash-out" and personnel budget for 2021 that aligns with its 2021 workplan approved at its March 2020 meeting. The proposed "cash out" budget includes a small increase from the 2020 budget (other than a 200K€ to support the modeling of climate change on unit availabilities and demand profiles). The proposed Full-Time Equivalent personnel request is for an increase of 3,5 to address the additional requirements.

General feedback:

- Secretariat is moving in right direction for project management and stakeholder interactions.
- More clarity is needed on how to deal operationally with ERAA.
- Efficiency measures should include participation in trainings of TSO and secretariat.
- Monitoring of actual spending of approved budgets should be presented to SDC.
- 5-years forecast currently shows stable spending. It should be more realistic taking into account the increasing challenges of Green Deal environment for system development.

	Decision		
	Approval	Purpose/notes	
A	The SDC recommends to Board and Assembly to adopt the proposed cash-out budget. The SDC recommends to Board and Assembly to adopt the proposed FTE budget.	Use the proposed budget as the "bottom up" proposed budget for 2021 SDC activities. Request the additional 3,5 FTEs in communications with the ENTSO-E Resource committee and Secretariat management.	
	Actions requested	Responsible body/Date of expected report	
A	The SDC requests that the SDC Chair, SDC Vice-Chair and SD Head of Section work with each of the ENTSO-E bodies and the Secretariat executive management to present SDC's view on its 2021 Budget and required Secretariat FTEs. The SDC Chair, Vice-Chair and SD Head of Section should keep the SDC informed as the 2021 ENTSO-E budget proceeds through the governance process and, in particular any modifications that would impact the 2021 SDC Workplan. This would include the proposed cash-out and FTE levels.	The SDC Chair, Vice-Chair and SD Head of Section	
	Take no	te	
>	The SDC takes note that the approved draft budge reflect the assigned prioritization of individual line in	• •	

8. Interactions with EC

- The EC- Consultation on 2030 Climate Target is open until 23 June. Proposed drafts answers are attached to the session file. SDC members are asked to provide feedback.
- Meetings on sector integration and scenarios took place:
 - o 16th April with DG ENER on energy system integration and infrastructure planning
 - o 28th April with DG Climate and ENTSOG on scenarios



- o 29th April with DG ENER and ENTSOG on scenarios
- Infrastructure Forum Round Tables organised by FSR and CSEI
 - o 29 April on heavily invest in energy networks and research infrastructure
 - o 30 April on waivers, exemptions procedures and regulatory sandboxes

9. TEN-E Regulation Review: SDC detailed guidance on critical advocacy topics toward a final position paper

The review of the TEN-E Regulation stands firm on the DG-ENER agenda for 2020. EC has appointed a consultant for an assessment of the regulation whose report is expected to be finalised by Q3 2020. After public consultation in spring, a legislative proposal can be expected by end of 2020.

The document "Key Messages – Request for SDC Guidance" is presented. The key messages are categorised according to their maturity (Category 1 and 2) recognising that a fresh look on some elements of the legislation is required given the Green Deal context. The process set up to allow SDC members to provide detailed guidance (liaising with other departments in their companies) on the key messages is presented with the objective to crystallise the SDC position by June.

Feedback from SDC suggested to put high priority as well on CBCA, PCI funding and permitting, 3rd country involvement and PCI eligibility criteria.

Decision Purpose/notes **Approval** > The SDC approves the Category 1 Key Messages as > The SDC Guidance is requested to allow the presented in the document "Key Messages -TF TEN-E to further develop those key Request for SDC Guidance" messages into an advocacy position paper ➤ The SDC approves extending Category 1 Key The approved Key Messages as presented in Messages with an additional text related to Category 1 of the document "Key Messages – Interconnection Targets. The extension, which Request for SDC Guidance" and the list of shall be placed within the 4th Key Message already approved existing position papers "Climate Targets & Resilient Energy System can be used in preliminary exchanges with (Security of Supply, System Stability)", reads: external audiences. "The interconnection target of at least 15 % for 2030 included in the Governance Regulation is an objective for achieving the Energy Union goals provided that system benefits outweigh costs. Special attention should be given to those regions that are behind in reaching these targets." The SDC agrees to provide detailed guidance on the Category 2 Key Messages presented in the document "Key Messages - Request for SDC

Guidance" via a written collection of comments set up in two rounds as described in the Next Steps

section of this cover note.



	Actions requested	Responsible body/Date of expected report
A	The SDC asks TF TEN-E according to the Board and the SDC detailed guidance to deliver a draft position paper to be submitted to the SDC by end Q2 2020	> TF TEN-E (by 2020 Summer Break)
A	The SDC asks the Secretariat to launch and manage the collection of comments that will constitute the detailed guidance for the TF TEN-E in two phases commenting (5 business days for comments, 4 business days for SDC members to respond to comments).	 The secretariat is asked to forward to the drafting team the feedback received from SDC during the meeting. Secretariat, before end of May

10. Offshore Development: scope and timeline for the ENTSO-E's Position paper Nr. 2 with focus on market related

The SDC is informed that the first ENTSO-E position paper on Offshore development is going to be published on ENTSO-E website after the Assembly approval process is completed. The Offshore Development Core Group is working on a 2nd position paper, focused on market aspects related to offshore development. This second paper is expected to be drafted with the contribution and in coordination with the Market Committee according the timeline presented to the SDC.

11. MAF 2020

• MAF2020 vs. Covid & ENTSO-E IT breach way forward feedback from mini-retreat

The MAF2020 data collection phase is heavily affected by the consequences of both the IT breach at ENTSO-E and the Covid-19 outbreak. To address this situation different options have been investigated by MAF Steering Group. While delaying MAF2020 publication 2021 was not acceptable due to ERAA preparation, these two possible solutions were either discarding MAF2020 with more resource focus for ERAA 2021 preparation or reduce significantly MAF 2020 scope. This latter solution is proposed by SG Adequacy, allowing to publish a MAF2020, which serve as refence for several TSOs and stakeholders.

MAF2020 should be complemented by information about COVID based on winter seasonal outlook under preparation.

	Decision		
	Approval	Purpose/notes	
A A	The SDC approves the proposed reduction of the MAF 2020 scope, as a result of delays due to the ENTSO-E cyber incident and the Covid-19 outbreak. The SDC asks the MAF Steering Group to also include in MAF2020 a qualitative assessment of	The reduced scope of the MAF 2020 translates into the reduction of the evaluated target years into two (2025 and 2030), use of the NTC model, no sensitivities and strict respect of deadlines.	
	the COVID impact in the short term and its communication be coordinated with the Winter Outlook by end of the year.		



>	The SDC will reevaluate in September whether the quality requirements on MAF2020 are sufficiently addressed according to the circumstances.	
	Actions requested	Responsible body/Date of expected report
>	The SDC asks the MAF Steering Group and the MAF project management team to update the MAF 2020 PID accordingly.	MAF Steering Group

12. Seasonal Outlook

Summer Outlook probabilistic outcomes and impact of Covid-19 on seasonal adequacy results

Summer Outlook has been implemented for the first time using a probabilistic Monte-Carlo approach, what is a key step toward compliance with the Short-term and Seasonal Adequacy Assessment Methodology approved by ACER in March 2020 under the framework of Risk Preparedness Regulation 2019/941. No risk of adequacy was identified for coming summer. The report was complemented by information on the expected impact of Covid-19, based on a TSOs' survey.

The SDC feedback highlight the importance of downward regulation in summer outlooks as well as consistency with future ERAA calculations.

13. Data & Models

- Implementation of process for planning data confidentiality classification.
- Data release to ACER/NRA for Bidding Zone Review

The TSOs in future data classifications will be required to identify the confidentiality level of each data point collected, indicating whether the SDC can authorize release of the data to third-parties with an appropriate NDA or whether the TSO solely could authorize the release of the data. This view is shared by the LRG. This procedure will be implemented should a data collection be required to support the pending Bidding Zone Review.

Decision	
Approval	Purpose/notes
The SDC approves the need to classify the confidentiality level of the data at TSO level.)
Actions requested	Responsible body/Date of expected report
The SDC asks WG D&M to collect the TSO feedback	⟨ ≻ WG D&M
about confidentiality level of data.	Based on next data collections planned
The SDC members are asked to liaise with thei	r
Market Committee colleagues to ensure that the	ع د
parallel ongoing discussion about data	1
confidentiality is aligned	



14. TYNDP 2020

A revised release plan for the TYNDP 2020 is proposed in response to the loss of the working IT environment and the Covid crisis: release of the system needs report in July 2020 (instead of May) and of the TYNDP Package in November 2020 (instead of August). Two other modifications are proposed and will be detailed in an updated PID to be presented to the SDC: the review of the 2030 IOSN methodology, using an NTC model instead of a zonal model so as to accelerate calculations, and the introduction of a social/employment dimension in the TYNDP (pilot in 2020).

Feedback from SDC members suggest to have soon as part of Identification of system needs qualitative information about job creation linked to infrastructure development.

	Decision	
	Approval	Purpose/notes
>	The SDC approves the proposed updated released plan, the change to the IOSN methodology, and the plan to include information on job creation through grid infrastructure investments.	Today's critical situation with Covid-19 requires adjustment of release plan of TYNDP and in addition the TSO contribution to the recovery plan shall be stated.
	Actions requested	Responsible body/Date of expected report
>	The SDC approves the Steering Group's plan to prepare a new version of the PID reflecting these changes and submit it for written approval.	> TYNDP SG - June

Decision on late project submissions to the TYNDP2020

The TYNDP 2020 call for projects closed in November 2019. Two promoters contacted the ENTSO-E Secretariat in 2020 to submit their projects, after the final deadline. The TYNDP SG recommends to reject both submissions as no grounds for derogation are identified.

	Decision	
	Approval	Purpose/notes
>	The SDC decides that all future late submissions to the TYNDP2020 will be rejected.	
	Actions requested	Responsible body/Date of expected report
>	The SDC asks the Secretariat to edit the public draft TYNDP2020 Project Portfolio with the rejected projects and the rationale for rejection.	

TYNDP2020 call for case stories

The Secretariat invites project promoters of the TYNDP2020 and of past TYNDPs to submit case stories. The case stories will be included in the TYNDP2020 Main Report Executive summary, to serve as real-life examples of projects.



• DT CBA provides an overview on ACER opinion on the draft 3rd ENTSO-E Guideline for cost-benefit analysis

The opinion of ACER regognises significant improvements, while issues that are criticised are already known and constitute a constructive opinion as expected from the Regulator. However, the surprising element in the opinion is the request to further amend the text before its submission to the EC, request that fails to recognise the very long and transparent preparatory work that took place between ENTSO-E, ACER and EC which has led to an early consensus on numerous issues.

Discussion reveals open issues concerning the process of next steps. The Chair of SDC and the DT CBA will clarify open issues concerning next steps for SDC written approval.

15. Sector coupling

Roadmap for a Multi-Sector Planning Support

The European Commission is preparing its strategy on Smart Sector Integration (now called Energy System Integration) which is expected to be released at the end of June 2020. Beginning 2019, the SDC has recognised the need and initiated the work to revisit the TYNDP framework to make it more supportive of a multi-sectorial approach. The documents resulting from this work can be used to contribute significantly to the strategy being developed by the EC. After the SDC approval, the documents can be used for debate with external stakeholders. Parts can also be used for the TEN-E revision process.

Discussion about difference between NECPs and Multi-Sectorial Planning Support (MSPS). Multi-Sectorial Planning Support should take into account the NECPs and provide additional scenarios.

	Decisio	n
	Approval	Purpose/notes
A	The SDC approves the Executive Summary of the Roadmap for a Multi-Sectorial Planning Support for external use.	
>	The SDC approves the document "Description of MSPS" for external use.	
>	The SDC approves the document "ENTSO-E action" for internal use.	
A	The SDC approves the submission of the roadmap under the topic "Roadmap on the Strategic Framework of multi-sectorial planning support for the TYNDP" to the Board for Assembly approval as a formal ENTSO-E position to be published on the ENTSO-E website.	
	Actions requested	Responsible body/Date of expected report
>	The SDC asks the SDC Chairman to report on the main content of the executive summary, description and critical issues on the roadmap for a Multi-Sectorial Planning Support (MSPS) at the next Board meeting (3 June 2020).	> SDC Chairman.



- ➤ The SDC asks the SDC Chairman to communicate the main content of the executive summary and description of the roadmap for a Multi-Sectorial Planning Support (MSPS) to the EC.
- The SDC asks the Convenor of the Scenario Building Steering Group to communicate the main content of the executive summary and description of the roadmap for a Multi-Sectorial Planning Support (MSPS) and start discussing the implementation of this roadmap in the TYNDP2022 scenario building process.
- SDC Chairman.
- Scenario Building Steering Group Convenor. Deadline: 15 September 2020, next SDC meeting

Take note

- ➤ The SDC takes note that the documents have been shared with the RDIC WG4 Future of energy systems.
- ➤ The SDC takes note that the documents have been preliminarily included in the Board Session File for the Board meeting on 20 May 2020 as "subject to SDC approval".

16. Scenario Building

• Information on the TYNDP 2020 Scenario Report

After feedback from stakeholder consultation, the TYNDP 2020 Scenario Report has been adapted according to the well-reasoned requests leading to higher electrification, higher use of RES potential and lower user of biomass, imports and CCS. For district heating biomass has been replaced by Power-to-Heat. Road freight, maritime and aviation saw a shift from liquid biofuels to e-liquids. These changes are effectuated respecting the initial boundary conditions thus ensuring national relevance and make the scenarios well-adapted to the new context under the Green Deal.

The SDC Chair and SDC members express congratulation to the scenario team for the high-quality work done in spite of very limited resources. The scenario report is expected for written approval beginning June.

• Current status of preparation of Scenario Building 2022

Scenario Building 2022 aims at delivering the scenario report in December 2021 including enhanced stakeholder engagement, methodology improvements, project agility (consider latest data) and engagement of DSO association. The Initiation Document is expected for June 2020.

17. CNC amendments priorities (+Feedback from mini-retreat)

The currently established network codes need to be updated based on new system needs, experience from national implementations, stakeholder's feedback at the GC ESC and associated Expert Groups. ENTSO-E being in the centre of all the relevant discussions, has been working on CNCs assessment with a view to have the discussion well advanced when the amendment process will be initiated. Worth stating that the CEP requires an evaluation of all network codes and guidelines by 2025.



Acknowledging the various cross-code implications of such amendments, ENTSO-E and the respective Steering Group Connection Network Codes (StG CNC) have been prioritizing the topics highlighting the possible impact on other Network Codes/Guidelines.

Decision		
Actions requested	Responsible body/Date of expected report	
The SDC asks all members to review the current priority list of topics that have been identified for assessment/amendment, as submitted in the Session File and provide feedback to Ralph Pfeiffer Ralph ralph.pfeiffer@amprion.net , Jonathan Sprooten Jonathan.Sprooten@elia.be and Joannis Theologitis Joannis. Theologitis@entsoe.eu		
Take note		
The SDC takes note of the work that has been devel and the feedback from the mini-retreat.	oped and planned under StG CNC on amendments	

18. Data collection for ACER data request on CNC implementation

ACER has legal basis to request information required to monitor the implementation of the NC RfG and NC HVDC. Templates are prepared for each Member State, clarifying the type of information required. Delivery to ACER is scheduled by 30 June each year. A letter has been drafted accordingly.

Main reason for delayed data submission has been identified as lack of data provision by DSOs, Covid-19 and cyber incident at ENTSO-E.

19. RGs activities (beyond TYNDP 2020 and 2022)

RG Baltic Sea provides an overview over Baltic Synchronisation, Drafting of regional investment plans and a workshop on market modelling.

RG Continental Central South reports on regional investment plan, PCI process, Interconnection Target Expert Group contributions, and the North-South corridors through the Alps Region.

RG North Sea provides insight into very active Norther Seas Offshore Grid Infrastructure initiatives, the PROMOTioN research project, the ENTSO-E Offshore Development Coordination Group and contributions to the Interconnection Target Expert Group. In addition, the PLEF Generation Adequacy Assessment 3.0 is explained. Convenorship of RG North Sea has to be solved until Oct. 2020. Offshore strategy of EC is expected to address how to translate CBA into CBCA in light of TEN-E and REDI/ II.

RG Continental South West informs about the NECPs impact in the Iberian electrical system.

RG Continental South East highlights work on Regional Investment Planning, a special report on SECI, PECI project list and a regional voltage profile improvement study.



RG Continental Central East reports on Regional Investment Plan as well as different sensitivity studies of data (TYNDP2020 versus TYNDP2018), synchronous connection of Ukraine and Moldavia, generation mix change in the region and the impact of CO2 prices on the region.

20. Topics for next mini-retreats in September 2020

Topics will be handled between the SDC Chair and Convenors. Suggestions from SDC members by e-mail to the Chair are welcome.

21. Any Other Business

• CEP implementation

CEP implementation requires clarification about the tasks of RCCs supporting TSOs in identification of system needs.

Feedback from SDC discussion: For the long-term horizon TYNDP is covering the planning task adequately. For the short term operational time frame (e.g. 1 year ahead) RCCs could support TSOs for additional studies.