

## 75<sup>th</sup> System Development Committee Meeting

Date: 24 November 2020

Time: 09.00 – 13.00h

Place: Web-conference:

### Participants

#### *Chairman*

	RTE	France
--	-----	--------

#### *Vice Chairman*

	Amprion	Germany
--	---------	---------

#### *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.	NOS BiH	Bosnia&Herzegovina
14.	REN	Portugal
15.	RTE	France
16.	SONI	Ireland
17.	Statnett	Norway
18.	Svenska Kraftnät	Sweden
19.	Swissgrid	Switzerland
20.	TenneT TSO GmbH	Germany
21.	TransnetBW	Germany

**Subsittutes**

22.	Amprion	Germany
23.	AS Augstsprieguma tīkls	Latvia
24.	JSC EMS	Serbia
25.	IPTO	Greece
26.	Litgrid	Lithuania
27.	National Grid ESO	United Kingdom
28.	OST-Operatori i Sistemit te Transmetimit	Albania
29.	PSE	Poland
30.	REE	Spain
31.	Seps	Slovakia
32.	TenneT TSO BV	The Netherlands
33.	Terna	Italy
34.	Transelectrica	Romania
35.	Transmission System Operator-Cyprus	Cyprus
36.	VUEN	Austria

**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

**Conveners WGs and SGs**

1.	WG System Design Strategy	Germany
2.	StG Connection Network Codes	Germany
3.	TF TEN-E	Germany
4.	TF CBA	Germany
5.	SDC Quality Manager	Czech Republic

**Excused**

1.	CGES	Montenegro
2.	ESO-EAD	Bulgaria
3.	Landsnet	Iceland
4.	Mavir	Hungary
5.	MEPSO	Republic of North Macedonia
6.	Scottish Hydro Electric Transmission	United Kingdom

**Secretariat**

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

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

The SDC Chair welcomes all participants to the 75<sup>th</sup> SDC meeting via teleconference. The SDC Chair confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

### Take note

- Since 35/41 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. SDC Project Dashboard pilot

TYNDP2020 is in its consultation phase and in support of the starting PCI process. TYNDP2022 preparation is on track. Scenario Building urgently requests resources for the study team and the issue will be addressed thoroughly in the next meeting. Contribution of few TSOs to provide data models to finalise TYNDP2020 dataset is critical. Delays in CNC amendments and slow progress of inertia project do not show immediate negative impacts on other projects. Late delivery of EC final approval of CBA3.0 in Q1/ 2021 comes far too late to have immediate impact on TYNDP2020. Limited resources of secretariat and TSOs on coordinated data deliveries for ERAA and Scenario Building might lead to delays.

## 3. SDC Deliverables 2021 - approval

The reviewed SDC Deliverables 2021 were submitted to the working bodies within the SDC for update, taking into account of remarks provided at the SDC meeting of 27 October 2020 by the SDC Quality Manager.

The final SDC Deliverables 2021 are in line with the scope of the SDC Work Programme 2021. The Regional Group deliverables should be viewed taking into account the uncertainty from the TYNDP2022 programme under preparation.

Decision	
Approval	Purpose/notes
➤ The SDC approves the SDC deliverables 2021.	➤ n/a
Take note	
➤ The SDC takes note of the last quality check of the SDC Deliverables 2021 by the SDC Quality Manager	

## 4. SDC Meetings 2021 and SDC Strategy Seminar 2021

### 4.1. Dates and locations

In June 2020, the SDC decided to modify its meeting organisation in order to best address the travelling restrictions and health concerns related to the Covid-19 spread. Specifically, monthly, half-day meetings solely by teleconference means were held with the agenda alternating between two clusters of topics:

- SDC topics cluster 1: Grid Planning, Adequacy, General Information
- SDC topic cluster 2: NCs, D&M, Asset Management, Cross-Committee, Housekeeping

In the same decision, SDC asked its Chair and Vice Chair to help the Committee assess this new way of working in proposing the 2021 calendar meeting. Based on actual COVID-19 related information and the experiences gained so far, the meetings are proposed as follows:

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> <li>➤ The SDC approves the calendar for the physical meetings to be held in 2021.</li> <li>➤ The SDC approves the organisation of the SDC Strategy Seminar 2021, led by WG SDS.</li> <li>➤ The SDC confirms the continuation of the mini-retreat organization the afternoons prior to each SDC meeting subject to the availability of topics. The SDC requests that these topics do not relate to decision items identified in the SDC meeting the next day.</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>SDC Strategy Seminar 2021: 16-17 March 2021</b></li> <li>➤ <b>SDC Meetings 2021:</b> <ul style="list-style-type: none"> <li>• 77<sup>th</sup> SDC meeting: 20 January 2021 (09:00 – 13:00: <b>cluster 2</b>)</li> <li>• 78<sup>th</sup> SDC meeting: 11 February 2021 (09:00 – 13:00: <b>cluster 1</b>)</li> <li>• 79<sup>th</sup> SDC meeting: 17 March 2021 (14:00 – 18:00: <b>cluster 2</b>)</li> <li>• 80<sup>th</sup> SDC meeting: 20 April 2021 (09:00 – 13:00: <b>cluster 1</b>)</li> <li>• 81<sup>st</sup> SDC meeting: 1 June 2021 (09:00 – 17:00: <b>cluster 2 &amp; cluster 1</b>)</li> <li>• 82<sup>nd</sup> SDC meeting: 1 July 2021 (09:00 – 13:00: <b>cluster 2</b>)</li> <li>• 83<sup>rd</sup> SDC meeting: 9 September 2021 (09:00 – 13:00: <b>cluster 1</b>)</li> <li>• 84<sup>th</sup> SDC meeting: 7 October 2021 (09:00 – 13:00: <b>cluster 2</b>)</li> <li>• 85<sup>th</sup> SDC meeting: 10 November 2021 (09:00 – 13:00: <b>cluster 1</b>)</li> <li>• 86<sup>th</sup> SDC meeting: 2 December 2021 (09:00 – 13:00: <b>cluster 2</b>)</li> </ul> </li> <li>➤ (09:00 – 13:00: <b>cluster 2</b>)</li> </ul>
<b>Take note</b>	
<ul style="list-style-type: none"> <li>➤ The SDC takes note of the dates proposed by the SDC Chair.</li> </ul>	

## 5. StG CNC

### 5.1. Implementation Monitoring Report for publication

StG CNC submits the second edition of the Monitoring Report on Connection Network Codes Implementation according to Article 59.1 (NC RfG), Article 57.1 (NC DC) and Article 76.1 (NC HVDC). The second edition offers an extensive reporting of the national implementations of the non-exhaustive requirements of all CNCs with a solid database and is a good steppingstone to further analysis of the validity of the requirements in light of the amendment preparations.

Upon approval, the report will be publicly available and communicated to the next Grid Connection European Stakeholder Committee meeting on 10 December 2020.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> <li>➤ The SDC approves the “Monitoring Report on Connection Network Codes Implementation” – as submitted in the session file.</li> </ul>	<ul style="list-style-type: none"> <li>➤ n/a</li> </ul>
Take note	
<ul style="list-style-type: none"> <li>➤ The SDC takes note of the next steps regarding the preparation of the third edition of the Monitoring report</li> <li>➤ The SDC takes note that next years’ process will include an additional feedback loop by NCLPs before submission for approval.</li> </ul>	

## 5.2. Revised IGDs for consultation

StG CNC submits a list of revised Implementation Guidance Documents (IGDs) according to Article 58 (NC RfG), Article 56 (NC DC) and Article 75 (NC HVDC). ENTSO-E has the obligation to prepare non-binding guidance on implementation which shall be maintained every two years. The first set of the revised IGDs includes additional clarifications that were provided during the exchanges with stakeholders, mainly at GC ESC level and needed editorial and format changes that were necessary considering the different publication time.

Upon approval, the IGDs will be submitted for public consultation until mid-January.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> <li>➤ The SDC approves the below list of revised IGDs as submitted in the session file for public consultation:                             <ul style="list-style-type: none"> <li>- IGD on Autonomous connection/reconnection and admissible rate of change of active power</li> <li>- IGD on Demand Response – System Frequency Control</li> <li>- IGD on Parameters of Non-exhaustive Requirements</li> <li>- IGD on Maximum Admissible Active Power Reduction at Low Frequencies</li> <li>- IGD on Frequency ranges</li> <li>- IGD on Compliance Verification – Compliance Testing and Use of Equipment Certificates</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ n/a</li> </ul>
Take note	
<ul style="list-style-type: none"> <li>➤ The SDC takes note that final drafts and the response to the public consultation will be submitted for approval and final publication in a future SDC meeting in 2021.</li> <li>➤ The SDC takes note that NCLPs should review the drafts before submission for approval.</li> <li>➤ The SDC takes note of the Note.</li> </ul>	

## 5.3. Approval of PIDs:

- Web-based implementation monitoring tool
- Further analysis of standards by Uprise

StG CNC submits two PIDs for approval and kicking off the work on two deliverables that are planned for 2021. For both projects the Assembly has approved the respective budget and the FTE considered are aligned with the resource planning. The first project will result in a web-based implementation monitoring platform that will enable a more efficient and automatic process of developing the CNC Monitoring reports. The second project will build on the gap analysis work between the CNCs and relevant standards that was performed in 2020 and result in an assessment with recommendations on how to bridge the gaps (mainly following up with the standardisation community).

The SDC approved the following decisions with 1 abstention concerning second PID about gap analysis.

<b>Decision</b>	
<b>Approval</b>	<b>Purpose/notes</b>
<ul style="list-style-type: none"> <li>➤ The SDC approves the following PIDs as submitted in the session file:                             <ul style="list-style-type: none"> <li>- “Development of the Connection Network Codes web-based Implementation Monitoring Platform”</li> <li>- “Expansion of the Gap Analysis between the Connection Network Codes and the related technical standards”</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ n/a</li> </ul>

#### 5.4. Network Code development and Network Code and Guideline amendments

The Network Code and CEP Implementation Program is preparing the “Process for developing Network Codes and proposing amendments to Network Codes and Guidelines”. The process establishes the internal ENTSO-E processes for drafting new Network Codes, developing amendment proposals for Network Codes and Guidelines for submission to ACER and EC and answering to consultations on amendment proposals to Network Codes and Guidelines by the European Commission or ACER. This draft document is now shared with the Members of SOC, MC, SDC, RDIC, LRG, Dc and T&D StG for review until 30 November 2020 and will also be presented in the upcoming Committee/LRG meetings.

### 6. Energy Infrastructure Forum 29 October 2020 - Feedback

The Copenhagen Infrastructure Forum took place on 29 October 2020 as a virtual Forum. The issue of the TYNDP governance has been high in the agenda and the ENTSO-E-ENTSOG common proposal on the topic was well received. The Multi-Sectorial Planning Support (MSPS) paper of ENTSO-E was equally well received and requests for further information arose. The ENTSO-E interventions on offshore revealed several points of convergence with stakeholders. It should be noted that the Commission stressed the emerging importance of regional cooperation in planning, something that is confirmed in the recently revealed offshore strategy.

### 7. Offshore Development

#### 7.1 ENTSO-E Offshore Position Nr. 3 (PP#3) – Interoperability

The Offshore Development Core Group (ODCG) Drafting Team 3 (DT3), in cooperation with RDIC WG2, drafted the third position paper which will be submitted for approval to SDC and RDIC on 3<sup>rd</sup> December for approval by the Committees by 10/12 and subsequently by the Assembly in January 2021.

#### 7.2 Status update of ODCG topics

A status of activities since the September SDC meeting was given and an outlook provided on upcoming activities such as:

- TYNDP2022 -Innovation Track study (treatment of hybrid projects)
  - recommendation to launch a TYNDP 2022 “innovation track” study to test potential IoSN updates to assess the identification / CB analysis of hybrid projects
- Market & Regulatory Position paper follow ups

<b>Decision</b>	
<b>Approval</b>	<b>Purpose/notes</b>
➤ The SDC approves the ODCG to steer a TYNDP2022-innovation track study.	➤ In the recent IoSN, hybrid projects could not be identified. Additionally, the assessment of “hybrid” projects needs to be explored.
<b>Take note</b>	
➤ The SDC takes note of the status report and 2021 outlook.	

### 7.3. EC's offshore strategy

A quick preliminary analysis of a leaked version reveals a high level of consistency with ENTSO-E’s position papers and the results of the PROMOTioN project. After introductory chapters on the Green Deal, technologies, potentials in European sea basins, the strategy lists how the scale up can be managed.

## 8. Regional Coordination Centers (RCC) tasks according to Clean Energy Package (CEP)

The discussion revealed that SDC members see value at tasking RCCs with the transmission of information on past congestions and system concerns to TSOs as input to their national planning processes (Option 1). This should be further analyzed by the SG TYNDP.

The decision was taken with one negative vote.

<b>Decision</b>	
<b>Approval</b>	<b>Purpose/notes</b>
➤ The SDC asks the SDC Chair to forward the Committee’s endorsement of Option 1 to the SOC and further organise together with Steering Group TYNDP the anticipation of potential future works without prejudice to potential CBA updates. ➤ Under Art. 37(1)(p) of the Electricity Regulation this is one of the tasks that RCCs shall carry out. ENTSO-E proposes to prepare a high-level proposal for this task. The following dates for the RCC task proposal development and approval are indicative: <ul style="list-style-type: none"> <li>• August 2021: Initiate consultations with relevant stakeholders (Article 27 requirement)</li> <li>• February 2022: ENTSO-E approval</li> <li>• March 2022: Submission to ACER</li> <li>• June 2022: ACER decision</li> </ul>	➤ n/a

## 9. NC Monitoring Cross-Committee cooperation progress

The project team Network Code monitoring cross-Committee cooperation project has been mandated in 2019 by the Board to work on implementing a closer coordination and harmonization of all Monitoring reporting across ENTSO-E. After one year of work, the project team provides to all Committees the current status, including the achievements of 2020 and seeks approval for progressing with the Roadmap and enhance the coordination as defined in Option 3 of the approved assessment.

What is more, the project team – being composed of all expert representatives working on Monitoring reports across ENTSO-E – has recently discussed the conclusions of the LRG Memorandum regarding the ENTSO-E Monitoring obligations according to 2019/943 (CEP) and in comparison with the previous 714/2009 Electricity Regulation. The project team recommends continuing with all current monitoring activities and plans which provide transparency, position ENTSO-E in a leading place among the different stakeholders, promote TSOs achievements and positively impact the reputation of the association.

Decision	
Approval	Purpose/notes
<ul style="list-style-type: none"> <li>➤ The SDC approves the recommendation of the project team on NC monitoring cross-Committee cooperation in implementing even closer coordination and harmonization (i.e. Option 3), as outlined in the cover note, gradually from 2021.</li> <li>➤ The SDC supports the recommendation to continue with all the CNC monitoring reports taking into account the conclusions of the legal memorandum on the legal obligations and present it to the Board.</li> </ul>	<ul style="list-style-type: none"> <li>➤ n/a</li> </ul>
Take note	
<ul style="list-style-type: none"> <li>➤ The SDC takes note of the fact that a similar cover note is submitted to SOC and MC for information and approval.</li> <li>➤ The SDC acknowledges the progress achieved in the implementation of close coordination and general harmonization of reporting/monitoring (i.e. Option 2).</li> </ul>	

## 10. WG Data & Models

### 10.1. Update of WG Data & Models Terms of Reference

The SDC approves minor modifications to the WG DM ToR. These updates highlight the WG D&M's responsibility to support each of SDC's projects, i.e. TYNDP, ERAA, Seasonal Outlook and Scenario Building) and the need for TSO resources to execute the operational tasks of the WG. The WG's central role in data classification and delivery is also now specifically referenced.

The priorities of the group remain: a) to collect and manage data required to perform SDC's projects, including both network and market model data; b) to develop and test models, software and tools required to run SDC's projects; and c) to support SDC study teams with analytical expertise, data post-processing and results visualization.

## Decision

Approval	Purpose/notes
<ul style="list-style-type: none"> <li>➤ The SDC approves the updated Terms of Reference (ToR) of WG Data &amp; Models.</li> </ul>	
Take note	
<ul style="list-style-type: none"> <li>➤ The SDC takes note of the risks highlighted in the ToR and the estimates of TSO resources to support its operational tasks.</li> </ul>	

### 10.2. Third-Party Data Release to DG Energy

The SDC takes decision to direct WG Data & Models to disclose to DG ENER the generator type and GPS data requested for those members who have affirmatively approved release of the data through the concluded survey. The requested data can only be provided to DG ENER in a manner that reflects the decision of each individual TSO. SDC directs WG Data & Models to proceed with the development of an NDA for DG ENER and the delivery of the requested data only for those TSOs who explicitly approved its release. Data would not be released for those TSOs who disapproved the release or have not responded indicating its approval or disapproval. Further information on the formal request that could be acquired through the finalization of the NDA may assist the legal assessment of those TSOs whose initial analysis confirmed their inability to release such data and review their decision.

## Decision

Approval	Purpose/notes
<ul style="list-style-type: none"> <li>➤ The SDC approves proceeding with the release of data requested by DG ENER only for those TSOs which have provided written approvals to release its data, subject to an NDA to be approved by SDC.</li> </ul>	<ul style="list-style-type: none"> <li>➤ For January 2021 SDC meeting</li> </ul>
Take note	
<ul style="list-style-type: none"> <li>➤ The SDC takes note of the responses from TSOs on the request to approve release of each individual TSO's data to DG ENER.</li> </ul>	

### 10.3. Third-Party Data Release to Belgian Federal Ministry for Energy

A request was received from the Service Public Fédéral (Directorate-General for Energy) from Belgium for certain data to be disclosed for the CWE region to support its Strategic Reserves analyses. Secretariat reports that 2025 is the only year for which data is available that has been subject to the complete, automated data quality and assurance procedures and been utilized in an SDC project.

Secondly, the entity requesting the data is not explicitly an NRA. This is important as SDC approved in September 2019 the general authority to release data of similar granularity to NRAs (or national entities with equivalent authority). The current practice as approved by ENTSO-E Legal is for the associated national TSO to confirm that the requesting entity meets the definition of a national entity with equivalent authority to an NRA.

## Decision

Approval	Purpose/notes
<ul style="list-style-type: none"> <li>➤ The SDC approves the release of the data requested for 2025 to the Belgian Service Public Fédéral (Directorate-General for Energy).</li> </ul>	

**Take note**

- The SDC takes note of the original data request from the Belgian Service Public Fédéral (Directorate-General for Energy) has authority equivalent to an NRA.
- The SDC take note that data for 2021/ 2022 is not available because of the reduced scope of the MAF publication 2020.

## 10.4. Data Classification Survey

Not discussed

## 10.5. Third-Party ENTSO-E dataset 2020 publication

Not discussed

## 10.6. WG DM III Interoperability testing post TYNDP results

Not discussed

**11. RGs activities (beyond TYNDP 2022)**

## 11.2. RG's activities

**1. RG Baltic Sea:****Increase of collaboration on regional system adequacy in the Baltic Sea Region**

The activities to increase the collaboration on regional system adequacy in the Baltic Sea Region were continued successfully with participation of the MAF SPOCs from all TSOs of the RG BS. The aim is to force the adequacy cooperation on the regional level and to create a regional collaboration on analyzing the ENTSO-E MAF results and to establish discussions and reporting on the level of Baltic Sea TSOs with contributions to the Baltic Sea Leaders Meeting.

The first regional report based on MAF 2019 outcomes was successfully presented and discussed at the Baltic Sea Leaders meeting at 21<sup>st</sup> September 2020 (webco organized by PSE).

Furthermore, the RG BS with strong support of the MAF SPOCs prepared a deterministic resource adequacy report for the Baltic Sea area, the: "Nordic and Baltic Sea Winter Power Balance 2020 – 2021." The report will be published at the ENTSO-E web page asap.

**2. RG Continental Central South**

Not discussed

**3. RG North Sea**

The convenor position of the RegionalGroup will be filled in the following weeks given that TenneT TSO BV has expressed its willingness to contribute from this position.

Northern Seas Offshore Grid Infrastructure

ENTSO-E's Regional Group North Seas is observing / participating in activities of projects / groups concerning the Northern Seas Offshore Grid Infrastructure. Below some activities are listed.

## Northern Seas Countries' Energy cooperation (NSEC) (activity of 9 MS around NS)

### PROMOTioN research Project (...meshed offshore grid)

Several RGNS TSOs participated in this research project (e.g. EirGrid, TTNL, RTE, SvK, ENDK) since 2016

- [Final event](#) was September 21<sup>st</sup>. Before that several breakout sessions. Recordings are available online

### Discussing offshore developments

Delegation attends, together with TYNDP SG and ODCG colleagues the meeting ENTSO-E / Ørsted on 13.11. discussing their offshore study & comparison to IoSN interconnection level.

### Contributing to ITEG Mirror Group

The Report was published at the Copenhagen Infrastructure Forum on 29<sup>th</sup> October

### **Pentalateral Energy Forum PLEF**

The [PLEF Generation Adequacy Assessment \(GAA\) 3.0 report](#) was published mid May 2020 on the websites of the PENTA TSOs.

## **4. Continental South West**

Not discussed

## **5. RG Continental South East**

### **Regional voltage profile improvement study**

Finalization of ESIA and CBA analysis, enabled the Consultant to continue with the activities on drafting the Final Feasibility Study Report, which was submitted to stakeholders in October 2020, with the deadline for commenting set for beginning of November. Also, Draft Project Implementation Roadmaps, created for each TSO individually, were submitted in October 2020.

### **Convenorship of RG CSE**

As the mandate of previous convenor, Nebojsa Vucinic, expired in October 2020, the question was raised regarding the replacement in this position. By the means of public voting, Vladan Ristic of EMS JSC, previously included in the operation of RG as the secretary, was elected as the new convenor, with 11 of the member countries being in favour of the suggestion (RS, AL, BA, BG, CY, HR, GR, ME, MK, RO and SI), only two member countries (HU and IT) remaining silent and none of the members disapproving the proposal. As the date of the new convenor's mandate beginning, **26<sup>th</sup> of October 2020** can, therefore, be taken.

## **6. Continental Central East**

The convenorship of the group is vacant after the expiration of the mandate of the convenor and so far no candidates stepped forward. An update will be given in the next meeting.

**12. Topics for next mini-retreats in November 2020**

Not discussed

**13. Any Other Business**