Final Minutes

115th System Development Committee Meeting

Date: 25 June 2026
Time: 09.00 - 16.40h **(EET zone)**
Place: Home Hotel Jugend, Lönnrotinkatu 29, Helsinki, Finland

Participants (physical)

Chairperson

	REE	Spain

Invitee

	Deputy Secretary-General of ENTSO-E	

Members

1.	Amprion	Germany
2.	Ceps	Czech Republic
3.	Eirgrid	Ireland
4.	Elering	Estonia
5.	Elia System Operator	Belgium
6.	EMS	Serbia
7.	Energinet	Denmark
8.	Fingrid	Finland
9.	HOPS	Croatia
10.	Litgrid	Lithuania
11.	REE	Spain
12.	RTE	France
13.	Seps	Slovakia
14.	SONI	North Ireland
15.	Svenska Kraftnät	Sweden
16.	Swissgrid	Switzerland
17.	TenneT TSO BV	Netherlands
18.	TenneT TSO GmbH	Germany
19.	Terna	Italy
20.	TransnetBW	Germany

Substitutes

21.	50Hertz Transmission	Germany
22.	APG & VUEN	Austria
23.	IPTO	Greece
24.	PSE	Poland
25.	*REE*	*Spain*
26.	REN	Portugal

Conveners StGs and WGs and RGs

1.	StG ERAA 2026	Germany
2.	StG TYNDP 2026	Czech Republic
3.	WG Asset Implementation Management	Slovakia
4.	RG Continental South-East	Greece
5.	RG Continental Central East	Germany

Members of WG Products Strategy

1.	APG	Austria
2.	Elia System Operator	Belgium
3.	Fingrid	Finland

Secretariat

4.	ENTSO-E	

Participants (online)

Members & Substitutes

27.	AS Augstsprieguma tïkls	Latvia
28.	Crnogorski elektroprenosni sistem AD	Montenegro
29.	Mavir	Hungary
30.	MEPSO	Republic of North Macedonia
31.	OST-Operatori i Sistemit te Transmetimit	Albania
32.	*SONI*	*North Ireland*
33.	Statnett	Norway
34.	*Terna*	*Italy*
35.	Transmission System Operator-Cyprus	Cyprus

Conveners and Leaders of StGs and WGs and RGs

1.	RG Continental Central South	Italy
2.	RG Continental South-West	Portugal
3.	RG Baltic Sea	
4.	RG North Sea	Ireland
5.	StG CNC	Denmark
6.	StG Scenario Building	Italy
7.	WG Seasonal Outlook	Switzerland

Excused

1.	Creos Luxembourg	Luxembourg
2.	Eles	Slovenia
3.	ESO-EAD	Bulgaria
4.	Landsnet	Iceland
5.	NOSBiH	Bosnia & Herzegovina
6.	Transelectrica	Romania
7.	Ukrenergo	Ukraine

1. Attendance, quorum and approval of draft Agenda

The Chair welcomed all Committee members to this meeting in Helsinki. She thanked Fingrid for hosting the Committee and expressed her gratitude for the kind welcoming words from the Executive Vice President of Fingrid during the SDC Strategy Seminar 2026 the day before.

She welcomed the Deputy Secretary-General of ENTSO-E as invitee for this meeting. She also welcomed new members from Terna and from TenneT TSO BV who attend the meeting for the first time.

The Chair confirmed the meeting is quorate. No updates were made to the agenda. The Chair reminded again that all information topics are provided in the Session File and in the presentation deck that is shared in advance but will not be presented in the meeting.

DECISION
34 out of 40 of the TSOs represented in the System Development Committee are attending the meeting, the SDC Chair states that the Committee meeting reaches the necessary quorum of half its members.

2. SD Programme Management

2.1. SDC Dashboard

(not presented)

3. Board updates

3.1. Debrief meetings of Board 2-3 June 2026

(not presented)

3.2. ENTSO-E Strategy review: link with SDC products and budget planning

The Chair reminded Committee members that they could attend a dedicated webinar prior to the meeting, during which ENTSO-E's new strategy and the link to SDC products had been discussed. The members confirmed the proposed priority setting and noted that numerous efficiency measures had already been implemented over the past several years to maintain focus and identify synergies. The AIM WG Convenor indicated that a work program specific to AIM would be presented later in the agenda. The Committee took note of the potential implications of the EU's "Grids Package", but considered that these would not apply in 2027, when there is a high expectation to deliver still in line with earlier legal requirements.

Members are asked to inform their Assembly members of this discussion prior to the Assembly meeting scheduled for June.

DECISION
The SDC: ➢ takes note of the latest progress on the renewed ENTSO-E Strategy setting and the process for the ENTSO-E Annual Work Program and budget setting for 2027.

- takes note of the higher granularity and more detailed cost attribution in the latest version of the SDC relevant part of the draft ENTSO-E Annual Work Programme for 2027, in line with the earlier approved SDC Initial Budget proposal.
- confirms the priority setting for the SDC relevant tasks in the ENTSO-E Annual Work Programme 2027.

4. WG Products Strategy

4.1. Outcome of SDC Strategy Seminar 2026

The Secretariat's Planning & Implementation Manager presented the draft follow-up actions derived from the SDC Strategy Seminar 2026 that took place the day before. All actions are focus points for relevant SDC groups based on the guiding questions they prepared for the Strategy Seminar 2026.

DECISION

The SDC:

- approves the follow-up actions to the SDC Strategy Seminar 2026.

5. European policy

5.1 General policy update

The Secretariat informed that the European Commission is preparing several major energy policy initiatives over the coming months, including proposals on energy product legislation, the ETS review, electrification, and network charges, while the Public Procurement Act has been delayed to 9 September. Broader policy discussions are also focusing on grid resilience, electrification, EU industrial competitiveness, and strengthening critical infrastructure and strategic autonomy.

5.2. EU Grids Package: progress and implications

The Secretariat presented the state of play of discussions in the Council and in the European Parliament.

5.3. Debrief from Madrid, Copenhagen and Florence Forums

(not presented)

6. Open-source strategy

6.1. Strategy paper

The Secretariat and SDC members of the PyPSA Reference Group summarised the SDC open-source strategy for system planning that was developed over recent months and reviewed several times by Committee members. The Committee supported the approach and asked for one recommendation to be adapted to keep it fully tool-agnostic and ensure that decisions about ENTSO-E tools are taken in the proper moment with the proper full assessment and justification and with a full conscious decision of the Committee.

DECISION

The SDC:

- approves the open-source strategy for system planning, including the comments raised in the meeting on Recommendation 3.
- takes note of the implementation options presented and endorses the direction for the implementation plan.

6.2. Implementation steps

The Secretariat highlighted the complexity of implementing an open-source approach, stressing the need to promptly initiate discussions on concrete options. The objective is to prepare a multi-year roadmap for review and approval by the Committee before end of 2026.

Members of the PyPSA Reference Group presented to the Committee possible approaches for implementing an open-source strategy for system planning. Several governance models were outlined, along with their respective benefits and potential drawbacks. Independently from these options, the concept of an algebraic modelling language was introduced. It aims to enhance cross-tool consistency while clearly separating model specification from tool implementation. It can be developed in parallel with whichever open-source implementation option is chosen. Committee members underlined that the transition steps towards an open-source ecosystem must be carefully understood, planned and anticipated. They also asked the group to provide further clarity on associated costs (including potential commercial solver costs and maintenance costs) and IT security considerations. Committee members were invited to give further indicative (not binding) guidance on a set of questions via a short poll.

The Committee Chair invited the Reference Group to organise a webinar for TSO members to share insights from the analyses and specific options considered (without bias or pre-empting preference to a specific tool/approach).

7. Asset Implementation & Management, and Supply Chains

7.1. Asset Implementation Roadmap

The WG AIM Convenor presented the draft AIM Roadmap. This marks a shift from pure knowledge sharing to delivering practical, shared outputs for TSOs through three workstreams: asset renewal and ageing fleets, circularity and sustainability, and supply chain resilience. The roadmap foresees around 20 deliverables across short, medium and long-term horizons, focusing on common frameworks, harmonised data, benchmarking, and coordinated policy positions.

SDC members are invited to give inputs and share views to the WG AIM Convenor.

7.2. Investment Pipeline Survey Report

The WG AIM Convenor presented the draft Investment Pipeline Survey Report, highlighting its role in giving a clearer, Europe-wide view of future grid asset needs by bringing together national investment plans. The WG aims to put this report for SDC approval in October 2026, following the review from SDC, LRG and PCG.

8. TF Grid Connections

8.1. Grid Connections Technical Paper

The TF Grid Connections Convenor presented a draft Grid Connections Technical Paper, developed in response to the European Commission's guidance on efficient and timely grid connections. The paper outlines practical measures to improve connection procedures and queue management, while emphasising that faster grid connections also require anticipatory investment, regulatory incentives, workforce development, and stronger supply chains. It also highlights the need for closer alignment between connection processes and long-term network planning.

The paper will undergo review by SDC, PCG, PRG and RDIC over the Summer of 2026, with comments requested before September 2026. Members are invited to provide feedback on the proposed measures, identify any gaps or national-specific challenges, and assess whether the paper adequately addresses planning, regulatory and implementation issues before its finalisation. The plan is to put the paper for approval at the October 2026 SDC meeting.

9. StG Data & Models

9.1. Dashboard

The Secretariat informed on all work regarding tools and data collections. The data collection for the Winter Outlook closed on time; an update window is planned in August 2026.

9.2 Final PID of COMODAS

The Secretariat presented the draft PID of COMODAS for approval, with a reminder of the scope of the project and the long-term vision it is intended to support. The Committee asked about the feasibility of realising COMODAS's added value as this is dependent in large part on the issues with Resource Description Framework Identifier (RDFID) persistence in grid model submissions being resolved. The Secretariat confirmed that RDFID persistence is high priority but noted that other activities do not need to wait for this to be full resolved, as the people and expertise involved are different. The Committee supported the PID noting that fixing the RDFID persistence issues is explicitly in scope of the project and addressed as a priority.

DECISION
The SDC: ➢ approves the PID for COMODAS (COmmon MOdelling exchange DAta Standard), including the clarification that the RDFID persistence issue is in scope.

9.3. Governance of data & models under SDC

The Chair noted that due time constraints this agenda item could not be addressed in the meeting. As further guidance from Committee is needed, this will be picked up before next meeting in an SDC webinar. Also, immediate comments can be sent to the Secretariat on the proposal and questions in the Session File.

10. TYNDP 2026

10.1. Progress Report

(not presented)

10.2. Timeline for review and release of IGR, ONDPs and RegIPs

The Secretariat presented next steps for the various TYNDP reports.

DECISION
The SDC: ➢ acknowledges the planned review and approval periods, and of the publication dates for the next TYNDP2026 related deliverables.

10.3 IoSN starting point and candidates

The Convener of the TYNDP 2026 Steering Group gave an update on the IoSN methodology implementation and the technical approach followed to define offshore theoretical candidates. Following questions from the Committee, the project team confirmed that the starting point applied has not changed after the approval of the SDC in February and the public consultation of past months. Technical robustness of the offshore theoretical candidates has been reviewed in the Regional Groups.

DECISION
The SDC: ➢ takes note of the starting point of the TYNDP 2026 IoSN expansion and the approach behind the construction of the candidates list for the IoSN study.

10.4 2030 Jumbo studies methodology (PINT, TOOT and non-wire solutions)

The Convenor of the TYNDP 2026 Steering Group presented the 2030 Jumbo Study methodology to complement the CBA 2035, 2040 and 2050. This study explores the benefits of projects expected until 2030 altogether. The Committee approved the methodology and asked the StG to further investigate the what-if study. Furthermore, the Committee asked Regional Groups to explore and investigate further grid enhancing technology benefits in the RgIPs to give visibility to what is already done. The Committee acknowledged that non wire solutions are on top in the political agenda and the expectations and that ENTSO-E needs to address it somehow but also underlined the importance of correct communication on grid enhancing technologies; a lot is already developed and planned; thus, simple or conceptual TYNDP studies should not result in misleading conclusions.

DECISION
The SDC: ➢ approves the methodologies for “2030 Jumbo Studies” (PINT and TOOT) to be performed on the 2030 horizon. ➢ mandates the TYNDP 2026 Steering Group to finalise the list of projects to be assessed in the Jumbo PINT 2030 study.

10.5 Data updates post Scenario Building review

The recent Scenarios report highlighted several data input limitations. SDC approved to make needed corrections to the input data for next CBA and IoSN calculations and confirmed appropriate and transparent publication of the updated datasets on the TYNDP website.

DECISION
The SDC: ➢ approves the process for handling CBA input data corrections. ➢ approves the publication approach for corrected CBA input data.

11. TYNDP 2028

11.1. Key Policy Issues Paper: foundational elements

The Secretariat presented on behalf of the TYNDP 2028 KPIP ad-hoc team several strategic options. The Committee confirmed the relevance of the aspects raised during the Strategy Seminar 2026 and the fact that the evolving policy context must be considered in the definition of the TYNDP 2028 KPIP. The Committee confirmed that given the EU Grids Package context and the prioritisation activities for the next ENTSO-E Annual Work Programme, this KPIP needs to cover multiple options when presented to Board and Assembly. The Committee noted that the KPIP also needs to address the collaboration with ENNOH and ENTSOG.

DECISION
The SDC: ➢ takes note of the progress on the TYNDP 2028 Key Policy Issues Paper (KPIP). ➢ endorses the development of the TYNDP 2028 KPIP, considering the options presented and the outcomes of the SDC Strategy Seminar 2026.

12. TYNDP Scenarios 2026 and 2028

12.1. Scenarios 2026 finalisation and Scenarios 2028 preparation

The Secretariat asked to extend the mandate of the Scenarios Steering Group until a next PID is validated and new members can be confirmed. The Committee explicitly thanked the present Scenarios team for all efforts in delivering the TYNDP2026 Scenarios.

DECISION
The SDC: ➢ approves the extension of the mandate of the Scenario Building Steering Group and WG Scenario Building to organize and prepare the work necessary for the setup of the 2028 TYNDP Scenarios, until the approval of its PID.

13. ERAA 2026

13.1. StG member update

The Committee confirmed the change in the ERAA 2026 StG composition.

DECISION

The SDC:

- takes note that the current member of the StG ERAA 2026 from REE will be stepping down and appointing the new candidate from REE as a new ERAA 2026 StG member.

13.2. Progress report

The Convenor of the ERAA StG informed the Committee on progress of ERAA 2026. Work is more advanced at this time of year compared to previous editions. Interactions with ACER are continuing. The Committee will be kept informed over Summer via dedicated webinars.

13.3. ACER Investment Costs

The Convenor of the StG ERAA 2026 informed about the expected ACER unit investment costs that ENTSO-E is meant to apply in ERAA. These were expected for some time and now just received (day before the meeting). The Convenor outlined how these will be tested, and how interactions with ACER will continue. The Committee noted that any reference investment cost has some uncertainty; even national specific ones are just a snapshot as such costs vary over time and depend on volumes that are deployed. A webinar about these unit investment costs should be organized to explain the details and the comparison with ENTSO-E's harmonised reference. In case views with ACER diverge, the Committee asked to explain this factual with technical robust arguments.

DECISION

The SDC:

- acknowledges ACER's expectations on application of the investment cost data from their recent study already in ERAA 2026.

14. ERAA methodology revision

14.1. Draft Implementation Plan

The Secretariat presented the draft ERAA implementation plan on behalf of the project team. The Committee highlighted the importance of involving stakeholders from the beginning on relevant new approaches such as investor risk aversion modelling. Technical interactions with ACER continue.

15. StG Connection Network Codes

15.1. CNC 2.0: RfG 2.0 consultation, updates on data centres discussions with stakeholders

The Secretariat reported on updates regarding RfG 2.0 shared by the EC on 18 June in the Grid Connection European Committee (GC ESC) meeting. Also, a draft RfG 2.0 was shared by the EC with Member States and NRAs, for a dedicated meeting on 2 July. EC will also present main elements of the proposed text to stakeholders during a GC ESC workshop on 3 July 2026. After these engagements, the EC might adjust the draft RfG 2.0, and the updated version will be submitted for public consultation on 6 or 7 July 2026, for a duration of 6 to 8 weeks.

The StG CNC Convenor highlights the very constructive and ongoing collaboration with DG ENER representatives responsible for CNC 2.0. He notes that StG CNC experts have actively contributed to the process through productive technical discussions supporting the draft.

15.2. Implementation Guidance Documents (IGDs)

The StG CNC Convenor shared an update on the development of the Implementation Guidance Documents (IGDs) that ENTSO-E will consult with stakeholders and publish once the NC RfG 2.0 enters into force. A Grid Connection European Stakeholder Committee (GC ESC) workshop will be organized for each IGD to share with external stakeholders the main outcomes of the drafts and ease the public consultation. Prior to these workshops, the draft documents will be shared with the stakeholders. Key elements of the IGD (presentation, no draft text) on grid-forming will be presented at a Paris Cigré session in August 2026.

DECISION
The SDC: ➢ takes note of the progress on the CNC Implementation Guidance Documents.

15.3. 2026 ACER data collection

(not presented)

15.4 Technical Group on Forced Oscillations

(not presented)

15.5 CNC video series

(not presented)

16. Any other Business

16.1. Convenorship of the WG AIM

The Chair informed the Committee that the second term of the WG AIM Convenor closes soon. A call for candidates will be shared.

DECISION
The SDC: ➢ takes note that the second mandate of the Convenor of WG AIM will expire on 24 September 2026.

17. Approval of Decisions

The Chair confirmed that all decisions taken as shown in the meeting are considered final.

18. Discussion on information items

No questions on information items were raised.