**Final Minutes
(incl. Decisions)**

entsoe

57th Research, Development and Innovation Committee Meeting

Date: 16 June 2021
Time: 08:45 – 15:00h
Place: Web-conference

Participants

Chairman

	Statnett	Norway

Vice Chairman

	Eles	Slovenia

Members

1.	50Hertz	Germany
2.	Amprion	Germany
3.	Ceps	Czech Republic
4.	Eirgrid	Ireland
5.	Eles	Slovenia
6.	Elering	Estonia
7.	Fingrid	Finland
8.	JSC EMS	Serbia
9.	Litgrid	Lithuania
10.	Mavir	Hungary
11.	PSE	Poland
12.	REE	Spain
13.	REN	Portugal
14.	SONI	Ireland
15.	Statnett	Norway
16.	Svenska Kraftnät	Sweden
17.	TenneT TSO BV	The Netherlands
18.	TenneT TSO GmbH	Germany
19.	Terna	Italy
20.	Transelectrica	Romania

Substitutes

21.	AS Augstsprieguma tïkls	Latvia
22.	Eirgrid	Ireland
23.	Energinet.dk	Denmark
24.	IPTO	Greece
25.	National Grid ESO	United Kingdom
26.	Terna	Italy

Conveners WGs

1.	WG Research Development and Innovation Planning (WG RDIP)	Norway
2.	WG 1 Power System Modernisation	Germany
3.	WG 2 Security and System Stability	Germany
4.	WG 3 Power System Flexibility	Belgium
5.	WG 4 Future of energy systems	Italy
6.	WG 5 ICT and Digitalisation of Power System	Czech Republic

Excused

1.	APG	Austria
2.	CGES	Montenegro
3.	Elia Transmission Belgium	Belgium
4.	HOPS	Croatia
5.	Landsnet	Iceland
6.	MEPSO	Republic of North Macedonia
7.	OST	Albania
8.	RTE	France
9.	Scottish Hydro Electric Transmission	United Kingdom
10.	Swissgrid	Switzerland
11.	TransnetBW	Germany

Secretariat

1.	ENTSO-E	Belgium

BLOCK 1: RDIC ADMINISTRATION

TOP 1. Attendance quorum

The RDIC Chair welcomes all participants to this 57th RDIC meeting via teleconference in place once again due to the particular circumstances related Covid-19 business trip restrictions. The RDIC Chair welcomes new RDIC members and confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

Decisions:
- 24 of 33 TSOs represented in the Research, Development and Innovation Committee attend the meeting. The RDIC is quorate.
- Chair welcomes the new nominated members.

TOP 2. Approval of draft agenda and RDIC Dashboard 2021

The RDIC Chair reviews the draft agenda and asks for approval. The Secretariat reviews the RDIC Dashboard activities and highlights the areas at risks. The Secretariat also introduces the RDIC budget status for 2021.

Decisions:
- The RDIC approves the agenda.
- The RDIC takes note of the RDIC Dashboard activities and the good advancement of the activities.
- The RDIC takes note of the RDIC 2021 budget status.

TOP 3. Governance RDIC

The Secretariat provides the progress update on the selection of convenorships for WG RDIP and WG3 Flexibility and Markets. The Secretariat and the RDIC Chair presents the future openings on the convenorship positions of WG1 Assets and Technologies, WG2 Security and Operations of tomorrow and WG5 Digital & Communication. The RDIC members discuss the timeline of this change and asks to plan it in the way to ensure smooth continuation of RDIC activities.

Decisions:
- The RDIC updates members on the call for convenors for WG RDIP and WG3 Flexibilities and Markets and decides on way forward.

TOP 4. RDIC TF Demonstration Innovation and Coordination ToR

The Secretariat provides the main comments received during the review phase of the Terms of Reference for the new Task Force Demonstration Innovation and Coordination and discuss further implementation actions with RDIC members.

Decisions:
- The RDIC acknowledges the development update of Terms of Reference for the new Task Force Demonstration Innovation and Coordination and asks RDIC members to cast their votes during a written approval process.

TOP 5. Report from Board Meeting 29 April 2021 and 9 June 2021

The RDIC Chair debriefs on the topics discussed and outcomes from the Board meeting of 29 April 2021 and 9 June 2021. The RDIC Chair congratulates the RDIC on the successful work and approvals of ENTSO-E RDI Implementation Report 2021-2025, ENTSO-E RDI Strategy 2.0 and ENTSO-E Position Paper on the use of lead in power. The RDIC Chair also address the Board acknowledgement on the developments of Innovation Uptake through Regulation and initial framing of Terms of Reference for Task Force Demonstration Innovation and Coordination.

Decisions:
- The RDIC takes note of the discussion points during the Board meeting on 29 April and 9 June 2021.

BLOCK 2: STRATEGY TOPICS

TOP 6. Workshop session: Horizon Europe calls 2021

The Secretariat presents the upcoming Horizon Europe calls 2021-2022 in three workshop breakout sessions to identify TSOs interest and commitment to join potential consortia. The Secretariat updates the RDIC about the received invitations for ENTSO-E to join the developments of projects proposals as a project partner and discuss with RDIC members ENTSO-E's potential participation. The Secretariat presents the outcomes of the workshop three breakout sessions to the Committee members and discuss the next steps.

Decisions:
- The RDIC welcomes the organisation of the webinar and takes note of TSOs interest in the upcoming Horizon Europe calls 2021-2022 as presented in the three breakout sessions.

TOP 7. ACER Innovation Uptake – NRAs questionnaire results

The RDIC Chair welcomes ACER representative and members of ENTSO-E Market Committee WG Economical Framework to join the discussion on Innovation Uptake throughout regulation. ACER representative presents the origin of this initiative and the initial results of the questionnaire results from the NRAs. Secretariat presents the results of TSOs' response to ACER questionnaire on Innovation Uptake Through Regulation. The RDIC members discusses the results of the surveys with ACER and identifies other interlinked activities. The RDIC welcomes further cooperation during the development as proposed by ACER.

Decisions:
- The RDIC acknowledges the exchange and progress on the developed Innovation Uptake Survey Analysis from both TSOs and NRAs sides and welcomes further cooperation during the development of the Recommendations / Best Practices on Innovation Uptake as proposed by ACER.

TOP 8. ENTSO-E 2050 Vision Project

The Secretariat presents the progress of ENTSO-E 2050 Vision Project and results of brainstorming session. The RDIC Vice-Chair highlights the importance to address the "game-changing" scenarios and invites relevant RDIC Working Groups to provide inputs on emerging work clusters of the 2050 Vision Project.

Decisions:
- The RDIC acknowledges the status of progress of ENTSO-E 2050 Vision Project and asks the Secretariat and the RDIC representatives in the project team to reflect RDIC priorities into the upcoming project work.

BLOCK 3: WORKING GROUPS

TOP 9. WG3 Flexibility and Markets

The WG3 Convenor presents both the position paper on the assessment of TSO future flexibility needs and report on future flexibility needs assessment examples and notifies the RDIC on the planned next steps towards the approval of both documents during the Board meeting in September 2021. The Convenor presents and discusses the contents and timeline of the new workstream 'Study on technical and economic conditions for integration of Electrolysers and P2G for system services'. The Convenor also provides an update of relevant Strategy Group T&D Interface workstreams and the latest developments in H2020 OneNet project.

Decisions:
- The RDIC acknowledges the planned next steps of WG3 towards the finalization of both position paper on flexibility needs and report on the future flexibility needs assessment in practice.

TOP 10. WG5 Digital & Communication

The WG5 Convener informs the RDIC about the successful approval process of the WAMS Report jointly by the RDIC and SOC members, which will be presented to the Board for approval during September 2021 meeting. In addition, the WG5 Convener presents the new workstream regarding the RDI Roadmap 2020-2030 milestone "vendor independent solutions for control centres" and its next steps. The Convener also explained the planned new structure of the Digital Committee and the potential ways of collaboration between RDIC and the new DC once the latter is operational.

Decisions:
- The RDIC takes note of the status and the next steps of the workstreams related to the WAMS report and the vendor independent solution for control centres.

TOP 11. WG1 Assets and Technologies

The WG1 Convenor reminds the RDIC members that two surveys covering Building Information Modelling and CO_2 footprint in the TSO business were launched during April-May 2021. The Convenor presents the results obtained from the input provided by various TSOs and proposes the next steps. The WG1 Convenor informs about the progress achieved on the SF6 workstream and position paper on Lead in Cables. Lastly, the Convener updates RDIC on the cooperation with ESA to start the pilot project.

Decisions:
- The RDIC takes note of WG1 progress on its current activities.
- The RDIC approves the next steps on Building Information Modelling (BIM) and CO_2 footprint.

Top 12. WG2 Security and system operation of tomorrow

The WG2 Convenor presents progress of SET Plan Technical Working Group (TWG) on HVDC and reminds about upcoming HVDC Interoperability Workstream Webinar on 21 June. The WG2 Convenor discuss the outcomes of the H2020 Green Deal call and the plans for Horizon Europe calls in the framework of Flagship 4. The WG2 Convenor introduces the status of "hybrid AC/DC system" workstream and "stability management" workstream as part of Flagship 5 development. The WG2 Convenor presents the developed proposal for assessing the wide-spread hybrid AC/DC system and asks RDIC approval before sharing and developing it with other Committees and external stakeholders. The WG2 Convenor with support of Leader of the stability management workstream explains the outlines of this workstream proposal, which is planned for RDIC approval before the end of 2021.

Decisions:
- The RIDC takes note of the Interoperability workstream webinar and publication preparation work.
- The RDIC takes note of the interoperability common position paper public dissemination.
- The RIDC takes note of the ongoing work at SET Plan TWG on HVDC development.
- The RDIC takes note of the WG2 Flagship 5 activities.

Top 13. WG4 Future of energy system

The WG4 Convenor presents the dissemination activities in relation to the approved ENTSO-E position paper on the Electric Vehicle Integration into Power Grids and provides the next potential steps for the exploitation of the outcomes of the paper. The Convenor presents the synergies with ETIP SNET's new workstreams and

WG4 engagement to ENTSOE 2050 Vision project. Finally, the Convenor presents and discuss the development of new workstream 'Power to Heat Integration'.

Decisions:
- The RDIC takes note of the planned next steps regarding the new Workstream on Power-to-Heat Integration.

BLOCK 4: INTER TSO-PROJECTS & DISSEMINATION

Top 14. Dissemination & Communication

The Secretariat presented the previous RDIC related events and their short recap and the upcoming webinars on the HVDC Interoperability Workstream and the ENTSO-E Technopedia.

Decisions:
- The RDIC takes note of the coming communication and dissemination opportunities to promote RDI activities.
- The RDIC request the Secretariat to propose subjects for next year's Innovation Fridays based on the deliverables of the RDIC.

TOP 15. ETIP SNET

The Secretariat presents the progress of ETIP SNET activities. The RDIC congratulates Norela Constantinescu for being elected Vice Chair of ETIP SNET and welcomes further sharing of the views of the TSOs across the various workstreams within ETIP SNET.

Decision:
- The RDIC congratulates Norela Constantinescu for being elected as the vice-chair of ETIP SNET.

BLOCK 5: AoB & APPROVAL OF DECISIONS

TOP 16. Any other business

Decision:
- N/A

TOPIC 17. Approval of the decisions

Decision:
- The RDIC approved the decisions and draft minutes of the meeting.