

58th Research, Development and Innovation Committee Meeting

Date: 14 September 2021

Time: 08:45 – 14:35h

Place: Web-conference

Participants

Chairman

	Statnett	Norway
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Vice Chairman

	Eles	Slovenia
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Members

1.	50Hertz Transmission	Germany
2.	Amprion	Germany
3.	APG	Austria
4.	Ceps	Czech Republic
5.	Elering	Estonia
6.	Eles	Slovenia
7.	EMS	Serbia
8.	Energinet.dk	Denmark
9.	Fingrid	Finland
10.	Litgrid	Lithuania
11.	MEPSO	Republic of North Macedonia
12.	REN	Portugal
13.	RTE	France
14.	Statnett	Norway
15.	TenneT TSO BV	The Netherlands
16.	TenneT TSO GmbH	Germany
17.	Transelectrica	Romania

Substitutes

18.	AS Augstsprieguma tīkls	Latvia
19.	Eirgrid	Ireland
20.	National Grid ESO	United Kingdom
21.	PSE	Poland
22.	REE	Spain
23.	<i>TenneT TSO BV</i>	<i>The Netherlands</i>
24.	Terna	Italy
25.	SONI	Ireland
26.	Svenska Kraftnät	Sweden

Conveners WGs

1.	WG Research Development and Innovation Planning (WG RDIP)	
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.	CGES	Montenegro
2.	Elia Transmission Belgium	Belgium
3.	HOPS	Croatia
4.	IPTO	Greece
5.	Landsnet	Iceland
6.	Mavir	Hungary
7.	OST	Albania
8.	Scottish Hydro Electric Transmission	United Kingdom
9.	Swissgrid	Switzerland
10.	TransnetBW	Germany

Secretariat

1.	ENTSO-E	Belgium
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BLOCK 1: RDIC ADMINISTRATION

TOP 1. Attendance quorum

The Chair welcomes all participants to this 58th RDIC meeting via teleconference put in place once again due to the particular circumstances related Covid-19 business trip restrictions. The RDIC Chair confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

Decisions proposal:

- 25 of 33 TSOs represented in the Research, Development and Innovation Committee attend the meeting. The RDIC is quorate.

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 proposal:

- 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 the RDIC Chair presents the applications submitted and initiates the election procedure of the convenorships for WG RDIP and WG3 Flexibility and Markets. The two new convenors introduce themselves. The Secretariat presents the ongoing call for the membership and convenorship positions of Task Force Demonstration Innovation and Coordination.

Decisions proposal:

- The RDIC elects the Convenors for WG RDIP and WG3 Flexibilities and Markets who will assume the function for a two-years mandate.
- The RDIC acknowledges the development of the Task Force Demonstration Innovation and Coordination set-up.

TOP 4. Layout of RDIC meetings

The Secretariat the RDIC Chair present and discuss with the RDIC Members the arrangement of the upcoming RDIC Strategy Workshop on 24 November 2021.

Decisions proposal:

- RDIC decides that the strategy workshop and the RDIC meeting in November 2021 will be held online.

BLOCK 2: STRATEGY TOPICS

TOP 5. RDIC Strategy Workshop 24 November 2021/Fit for 55 implication how to embed in RDI strategy

The Secretariat with support of PCG presents the highlights of Fit for 55 Package and discusses with RDIC Members a potential implication on the innovation actions foreseen in the scope of ENTSO-E RDI Roadmap and RDI Implication report. The Secretariat suggests to the RDIC WGs further evaluate the impacts and bring the insights in the discussion with the RDIC Members during the RDIC Strategy Workshop 24 November 2021.

Decisions proposal:

- The RDIC takes note of Fit for 55 Package released by EC on 14 July 2021 adapting the legal framework to new 2030 target of 55% GHG reduction.

TOP 6. Vision 2050 Project

Decisions proposal:

- The RDIC acknowledges the status of progress of ENTSO-E 2050 Vision Project and welcomes the current scoping and work approach.
- The RDIC asks the Secretariat and the RDIC representatives in the project team to ensure RDIC priorities are reflected into the project work.

TOP 7. Horizon Europe calls

The Secretariat presents the outcomes of the Horizon Europe calls' workshop which took place during the 57th Research, Development and Innovation Committee Meeting. The Secretariat updates the RDIC about TSOs participation and potential engagement in the upcoming Horizon Europe calls per Cluster. It discusses with the Committee members the ENTSO-E Secretariat participation based on the invitations that Secretariat received to join these projects. The Secretariat concludes with the Committee members on the next steps.

Decisions proposal:

- The RDIC takes note of the outcomes and updates following the Horizon Europe calls 2021-2022 workshop that took place during the 57th Committee meeting.

TOP 8. Innovation Uptake Through Regulation

The Secretariat presents progress of the development of the Recommendations / Best Practices on Innovation Uptake through regulation and discuss with RDIC Members further preferences of TSOs towards this report potential outcomes.

Decisions proposal:

- The RDIC takes note on the progress of further cooperation with ACER during the development of the Recommendations / Best Practices on Innovation Uptake through regulation.

TOP 9. Technopedia Framework

The Secretariat presents the concept of setting up a Governing Board in order to keep the Technopedia regularly up-to-date and to develop the tool further towards becoming a point of reference for the stakeholders and the TSOs. The presentation introduces the potential structure of the Governing Board and the involved stakeholders in addition to the next steps in the process.

Decisions proposal:

- The RDIC approves the setup of a Governing Board including senior experts from stakeholders.

BLOCK 3: WORKING GROUPS

TOP 10. WG RDIP

The Secretariat presents the initial results of public consultation on the ENTSO-E RDI Implementation Report 2021-2025, open on 4 June and closed on 13 September. RDIC welcomes the positive outcome and endorsement by stakeholders of the priority setting for Project Concepts. It discusses with the RDIC Members planned next steps to explore further and include stakeholders' views. The Secretariat presents outlines of ENTSO-E Annual Work Programme 2022 regarding the deliverables of RDIP and suggests to RDIC members to initiate the development of the ENTSO-E RDI Monitoring Report.

Decisions proposal:

- The RDIC takes note of WG RDIP progress of work on the RDI Implementation Report 2020-2025 and welcomes the planned workshop to discuss the public consultation outcome with ENTSO-E Advisory Council members and other external stakeholders.
- The RDIC acknowledges the kick start of the ENTSO-E RDI Monitoring Report development.

TOP 11. WG3 Flexibility and Markets

The WG3 Convenor shortly updates the Committee members on the WG3 workstreams highlighting the ones that are foreseen to be approved in the upcoming ENTSO-E Board meeting planned for 23 September 2021 (Position Paper on the Assessment of Future Flexibility Needs and Report on Future Flexibility Needs Assessment in Practice). Moreover, the Convenor presents and discusses the timeline and first outcomes of the ‘Study on technical and economic conditions for integration of Electrolysers and P2G for system services’. He also provides an update of WG3 synergies with the Strategy Group T&D Interface. Finally, WG3 Convenor presents an initial list of topics that WG3 foresee to initiate and execute in 2022.

Decisions proposal:

- The RDIC takes note of WG3 progress on its current activities.

TOP 12. WG5 Digital & Communication

The WG5 Convenor updates the RDIC on the ongoing workstreams under the WG5 umbrella: WAMS report under Board approval, vendor-independent solutions for TSO's control centres workshop, expanding the scope of Technopedia and EC consultations on the digitalisation of the energy sector.

Decisions proposal:

- The RDIC takes note of the WG5 developments and congratulate the WG5 for the finalisation of WAMS report.

TOP 13. WG1 Assets and Technologies

The WG1 Convenor provides an overview of the workstreams (Lead in cables, SF6 & alternative gases, Building Information Model, CO2 footprint and cooperation with ESA to start the pilot project). The Convenor also underlines the importance of the survey on emission/volumes and alternative technologies to SF6. Moreover, the convenor reminds the RDIC of the next steps currently working with manufacturers through its association T&D Europe on transition times in using SF6 alternative technologies.

Decisions proposal:

- The RDIC takes note of the WG1 developments.

Top 14. WG2 Security and system operation of tomorrow

The WG2 Convenor presents the progress on Flagship 3, covering the preparation work towards related Horizon Europe calls, such as CL5-2021-D3-01-02 and initiatives such as the SET-Plan Technical Working Group (TWG) on HVDC. The workstream stability management leader introduces the document on the “stability management in power electronics dominated systems” in line with project 9 (P9), defined in the Implementation report 2021/25, under Flagship 5. An RDIC member underlines the need to ensure that all modelling tools developed within this framework are standardised.

Finally, the workstream grid assessment leader presents the recent developments during July-August on the ‘assessment of a widespread hybrid AC/DC system’ in line with project 10 (P10), defined in the Implementation report 2021/25 under Flagship 5. The document of this workstream was approved by the

RDIC at the 16 June 2021 meeting. Since then, a group of TSOs have been working towards forming a consortium with all the interested parties that can respond to relevant funding schemes to the topic, such as HEU call CL5-2021-D3-02-08.

Decisions proposal:

- The RDIC takes note of the WG2 Flagship 4 activities.
- The RDIC takes note of the WG2 Flagship 5 activities.

Top 15. WG4 Future of energy system

The WG4 Convenor presents WG4's contribution on the "Extreme Scenarios & Game Changers" workstream in the framework of the Vision 2050 project. Moreover, WG4 Convenor updates the Committee members on the status of play as well as the timeline of the 'Power to Heat Integration' workstream. Finally, the Convenor updates the Committee members on the synergies with SDC on Sector Coupling and EtipSnet on relevant to WG4 RDI workstreams.

Decisions proposal:

- The RDIC takes note of the tender process and approves the planned next steps on launching the Power-to-Heat Integration Workstream.

BLOCK 4: INTER TSO-PROJECTS & DISSEMINATION

Top 16. Dissemination & Communication

The Secretariat presents the upcoming events that are relevant for the RDIC members, such as the planned workshops in October on the Implementation Report 2021-2025 or the flexibility platforms in addition to the 2 sessions during the EU Sustainable Energy Week in which ENTSO-E-related speakers will participate and the 13th Regional Workshop of the ETIP SNET in November. The RDIC Chair requests an update of the Innovation Fridays programme initiative.

Decisions proposal:

- The RDIC takes note of the coming communication and dissemination events to promote RDI activities - among others - on the RDI Implementation Report 2021-2025 and the finalised Flexibility workstreams and the upcoming ENTSO-E related sessions of the EU Sustainable Energy Week.

BLOCK 5: AoB & APPROVAL OF DECISIONS

TOP 17. Any other business

Decision proposal:

- The RDIC takes note of the option for secondment for the Innovation Specialist with the ENTSO-E Innovation Section to support the set-up and development of the Task Force Demonstration Innovation and Coordination.
- The RDIC congratulates the Chair Hakon Borgen for his new position as Vice President Offshore in Statnett and welcomes his commitment for continuing the RDIC chairmanship according to the mandate in place.
- The RDIC takes note of the initiative of EPRI to invite ESA, E.DSO, ENTSO-E to join the initiative Incubatenergy Networks and Labs on open innovation for programmes linking start-ups and energy utilities.

TOPIC 18. Approval of the decisions

Decision proposal:

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