

63rd Research, Development and Innovation Committee Meeting

Date: 21 September 2022

Time: 08:30 – 15:30h

Place: Statnett Office, Nydalen Allé 33, NO-0484 Oslo (Norway)

Participants (physical)

Chairman

	Statnett	Norway
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Vice-Chairman

	Eles	Slovenia
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Members

1.	50Hertz Transmission	Germany
2.	Amprion	Germany
3.	Ceps	Czech Republic
4.	Elia	Belgium
5.	Fingrid	Finland
6.	PSE	Poland
7.	REN	Portugal
8.	Seps	Slovakia
9.	Statnett	Norway
10.	Svenska Kraftnät	Sweden

Substitutes

11.	AS Augstsprieguma tīkls	Latvia
12.	Energinet	Denmark
13.	PSE	Poland
14.	RTE	France
15.	Statnett	Norway

Conveners WGs

1.	WG Research Development and Innovation Planning (WG RDIP)	Portugal
2.	WG 2 Security and Operations of tomorrow	Germany
3.	WG 3 Flexibility and Markets	Finland
4.	WG 4 Future of energy systems	Italy
5.	WG 5 Digital and Communication	Czech Republic

Special invitee

1.	CEO of Statnett	Norway
2.	CEO of Gassco (the Norwegian gas operator)	Norway

Secretariat

1.	ENTSO-E	
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Participants (remote)

Members

16.	APG	Austria
17.	Eles	Slovenia
18.	EMS	Serbia
19.	IPTO	Greece
20.	Mavir	Hungary
21.	MEPSO	Republic of North Macedonia
22.	OST	Albania
23.	REE	Spain
24.	SONI	Ireland
25.	Swissgrid	Switzerland
26.	TenneT TSO BV	The Netherlands
27.	Terna	Italy
28.	Transelectrica	Romania

Substitutes

29.	Eirgrid	Ireland
30.	Litgrid	Lithuania
31.	<i>TenneT TSO BV</i>	<i>The Netherlands</i>
32.	<i>Terna</i>	<i>Italy</i>

Conveners TFs

1.	TF DIC	France
2.	WG 1 Assets and Technologies	Hungary

Excused

1.	CGES	Montenegro
2.	Elering	Estonia
3.	HOPS	Croatia
4.	TransnetBW	Germany

BLOCK 1: RDIC ADMINISTRATION

TOP 1. Attendance quorum

The Chair welcomes all participants to this 63rd RDIC meeting organised as a hybrid meeting. The RDIC Chair welcome the CEO of Gassco, who has shared his views on accelerating energy independence & cross-sector integration. The Chair also welcomes the CEO of Statnett, who joined the Committee at lunch time. Finally, the Chair confirms that participants can formally cast their vote, live and via teleconference on decisions proposed during the meeting.

Decision

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

TOP 2. Welcoming and approval of draft agenda and RDIC Dashboard 2022

The Secretariat reviews the draft agenda and asks for approval. The Secretariat reviews the RDIC Dashboard activities and highlights the areas of risk. The Secretariat presents also the RDIC budget status.

Decision

- The RDIC approves the agenda.
- The RDIC takes note of the RDIC Dashboard and the good advancement of the activities.
- The RDIC takes note of the RDIC 2022 budget status.

TOP 3. Governance RDIC

The Chair and RDIC members discuss the results of the call for nominations for the WG3 Convener. The RDIC acknowledges that no nominations has been received within the deadline and asks that the call be reissued.

Decision

- The RDIC takes note of the result of the call for WG3 Convener
- The RDIC requests the Secretariat to reissue the call for WG3 Convener as soon as possible.

BLOCK 2: STRATEGY TOPICS

TOP 4. Statement and report from Assembly meeting 30 June 2022

The Chair presents the highlights and outcomes of the Assembly meeting on 30 June 2022, the innovative actions and risk mitigation measures done by Ukrenergo to ensure the continuity of the energy supply, which can serve as an example for accelerated developments.

Decision

- The RDIC takes note of the discussion at the Assembly meetings on 30 June 2022.

TOP 5. Digitalisation of Energy Action Plan

The Secretariat presents the latest developments of the Digitalisation of Energy Action Plan. The Chair highlights the importance of ENTSO-E and the EU DSO Entity's intention to coordinate and establish a joint TSO-DSO cooperation framework to develop a (1) Digital Twin of the European Electricity Grid and a (2) guidance and support for network operators on sustainable and cost-effective smart investments

Decision

- The RDIC acknowledges the developments of the Digitalisation of Energy Action Plan.

TOP 6. RDI Monitoring report

The Convenor of WG RDIP presents the outcomes of the RDI Monitoring Report 2022, explaining how the analysed 120 TSO RDI projects cover the Flagship areas of the RDI Roadmap 2020-2030 and the Acceleration Mission paper and the project concepts formulated in the RDI Implementation Report 2021-2025. The Convenor opens the discussion on the key messages of the Report and presents the next steps toward the publication of the final document before the end of 2022.

Decision

- The RDIC welcomes the RDI Monitoring Report 2022 and approves its key messages and recommendations

TOP 7. Electricity Market Design: emergency interventions and structural reform plans

The Secretariat presents the outcomes of the ENTSO-E workshop on Market Design on 25-26 August 2022 and the latest policy developments on emergency interventions.

Decision

- N/A

TOP 8. Presentation by Gassco

The Chair welcomes the CEO of Gassco. The CEO of Gassco presents the recent and future developments of Norwegian gas, CO2 and H2 infrastructure to accelerate energy independence and cross-sector integration. The RDIC Members discuss the presentation.

Decision

- N/A

TOP 9. Outcome RDIC Workshop 1 on RePower EU, 15 June 2022

The Secretariat presents the consolidated outcomes of the RDIC Workshop 1 on RePower EU on 15 June 2022. The Secretariat provides guidance for the second workshop and discussion set-up.

Decision

- N/A

TOP 10. Workshop 2 – RDIC Gamechangers

The RDIC members split up in the workshop to further discuss the following topics: validating and agreeing on priority topics and areas; improving TSO cooperation and coordination - validation of roles; reviewing the RDI ecosystem and stakeholder engagement plan.

Decision

- N/A

TOP 11. Workshop 2 – Conclusions and next steps

The Thematic Working Groups conveners, leading the topic discussions, present the takeaways of the workshop session. The Chair and the RDIC members discuss the outcome to be used for the RDIC Work Programme 2023.

Decision

- The RDIC supports the outcomes on priority areas, roles and ecosystems proposed during the 2nd RDIC Workshop – RDIC Game-change.

BLOCK 3: WORKING GROUPS

TOP 12. TF Demonstration and Innovation Coordination

The Convenor of TF DIC presents the Horizon Europe programme's new draft and gives a brief overview of related calls for RDIC. The Convenor informs about the proposed Horizon Europe future topic and invites interested TSOs to support it. The Convenor reminds the RDIC Members about the upcoming Inter-TSOs project workshop on 27 September 2022.

Decision

- The RDIC acknowledge the Horizon Europe Work Programme 2023-2024 calls of interest for TSOs and the timing for action.
- The RDIC approves the distribution towards NCP of the proposal for HE future call topic: "Enhance control centres operation and interoperability with secure AI and open IT" through interested TSO contact points.
- The RDIC takes note of the progress of the Inter-TSO project proposal and the workshop organized on 27 September 2022.

TOP 13. WG4 Future of energy system

The Convenor of WG4 "Future of energy system" presents the status of the ongoing workstreams, particularly the future work on Heavy-Duty Vehicle Electrification and the follow-up work on the Power-Heat Integration Paper with regard to communicating the results of the study. Furthermore, the Convenor informs about the ENTSO-E's membership in the Electromobility Platform.

Decision

- The RDIC acknowledges the updates on the assignment of consultancy support for the Paper on Heavy Duty Vehicles Electrification and mandates WG4 to carry out its development following the agreed work plan.
- The RDIC takes note of the approval process and dissemination plan of the Power-Heat Integration Paper.
- The RDIC approves the continuation of the ENTSO-E's membership with the Electromobility Platform, acknowledging the synergies and potential benefits of this collaboration

TOP 14. WG3 Flexibility and Markets

The Secretariat presents the work status on flexibility need assessment and discusses the next steps. The Secretariat informs about the communication actions following the publication of the flexibility from the hydrogen study.

Decision

- The RDIC acknowledges WG3 progress in the development of the new Workstream “Flexibility needs assessment” planned for 2022-23.
- The RDIC acknowledges WG3 and PCG's progress in engaging external stakeholders according to the proposed P2H2 communication plan.

TOP 15. WG2 Security and Operations of tomorrow

The Convenor of WG2 presents the main points on the gap analysis between Flagship 4 and 5, part of the RDI Roadmap and the implementation report 2021–2025, the HEU awarded proposals: READY4DC (FS4), HVDC-WISE (FS5) and InterOPERA (FS4) and the upcoming Horizon Europe calls for 2023/24. The Convenor provides a status update on the Stability Management Workstream and PT Modelling and Simulation Tools to Handle New Stability Phenomena and informs RDIC members about Ukrenergo's request for approval of the nomination received to join PT Modelling and Simulation Tools to Handle New Stability Phenomena.

Decision

- The RDIC takes note of the WG2 activities and the ongoing stakeholder interaction activities related to the Stability Management in the PEDS Workstream.
- The RDIC approves to include WG2 of RDIC (Security and Operations of Tomorrow), encompassing the Project Team “Modelling and Simulation Tools to Handle New Stability Phenomena” (under RDIC) in the List of Entities of the Observer membership Agreement (OMA) updates. The List of Entities identifies the groups and task forces, below the Committee level to which Ukrenergo, as Observer Member, is entitled to appoint a representative.

TOP 16. WG1 Assets and Technologies

The Convenor of WG1 updates the next steps on CO2 footprint support and the recast of the F-Gas Regulation. The leader of the HV cable TF presents the main outcomes and next steps of the “Lead Diffusion from High Voltage Cables” report commissioned by Europacable and ENTSO-E to DNV. Moreover, the HV cable TF leader updates on upcoming steps in the authorisation process for the use of lead (Pb) and the main points of the interim report as a result of the workshop on HVDC cable and components standardisation and RTTR back in May 2022.

Decision

- The RDIC acknowledges the proposed next steps on the CO2 footprint in the TSO business and HVDC cables: components standardisation and remote monitoring and maintenance.
- The RDIC approves the “Lead Diffusion from High Voltage Cables” report and mandates the Secretariat to publish it on the ENTSO-E website in accordance with the date agreed with Europacable.

TOP 17. WG5 Digital & Communication

The Convenor of WG5 presents a successful result of the call for working group members’ nominations. Likewise, the Convenor provides a highlight on the Vendor Independent Solution (V.I.S) draft report, inviting all RDIC members to review and comment on it by the end of September. In addition, the Convenor presents a preliminary assessment done by the WG members on how WG5 discusses the coordination of the upcoming Horizon Europe call on digital twin (HORIZON-CL5-2023-D3-01-10).

Decision

- The RDIC takes note of positive results of the call for members nominations to join WG5
- The RDIC acknowledge the Vendor Independent Solution report drafted by WG5 and the proposed next steps

BLOCK 4: INTER TSO-PROJECTS & DISSEMINATION

Top 18. Dissemination & Communication

The Secretariat presents the upcoming RDIC related events and presentation opportunities, including the EU Sustainable Energy Week and other workshops on various topics, such as the RDI Monitoring Report and future TSO collaboration on RDI projects. Furthermore, the Secretariat invites the RDIC members to the next session of the Innovation Friday internal webinars.

Decision

- The RDIC acknowledges the upcoming events related to the activities of the Committee

BLOCK 5: AoB & APPROVAL OF DECISIONS

TOP 19. Any other business

The Secretariat discuss the location of the RDIC Strategy Workshop and 64th RDIC meeting on 29-30 November 2022. The Secretariat informs and invites RDIC members to contribute to the European Space Agency’s Green Value initiative programme. The RDIC members discuss the collaboration and representation within IEEE.

Decision

- The RDIC takes note of the invitation from Terna to host the RDIC Strategy Workshop and 64th RDIC meeting on 29-30 November 2022 in Rome.
- The RDIC approves sending a letter of intent to start cooperating with ESA in the framework of the ESA's Green Value initiative programme for those use case(s) identified.

- The RDIC takes note of the offer of IEEE and also of voluntary contributions of a few RDIC members

TOPIC 20. Approval of the decisions

Decision

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