

# 65th Research, Development and Innovation Committee Meeting

Date: 22 February 2023  
Time: 08:45 – 14:50h  
Place: Web-conference

## Participants

### *Chairman*

	Statnett	Norway
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### *Vice Chairman*

	Eles	Slovenia
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### *Members*

1.	Amprion	Germany
2.	APG	Austria
3.	AS Augstsprieguma tīkls	Latvia
4.	Energinet	Denmark
5.	Eles	Slovenia
6.	Elia	Belgium
7.	EMS	Serbia
8.	IPTO	Greece
9.	Litgrid	Lithuania
10.	Mavir	Hungary
11.	MEPSO	Republic of North Macedonia
12.	PSE	Poland
13.	Seps	Slovakia
14.	REE	Spain
15.	REN	Portugal
16.	Statnett	Norway
17.	Svenska Kraftnät	Sweden
18.	Swissgrid	Switzerland
19.	TenneT TSO BV	The Netherlands
20.	Terna	Italy
21.	Transelectrica	Romania
22.	TransnetBW	Germany
23.	TenneT TSO GmbH	Germany
24.	50Hertz Transmission	Germany
25.	HOPS	Croatia

***Substitutes***

1.	EirGrid	Ireland
2.	<i>Energinet</i>	<i>Denmark</i>
3.	OST	Albania
4.	FinGrid	Finland
5.	<i>PSE</i>	<i>Poland</i>
6.	<i>REE</i>	<i>Spain</i>
7.	<i>Seps</i>	<i>Slovakia</i>
8.	SONI	Northern Ireland
9.	<i>Svenska Kraftnät</i>	<i>Sweden</i>
10.	<i>Terna</i>	<i>Italy</i>
11.	<i>REN</i>	<i>Portugal</i>

***Conveners WGs***

1.	WG 1 Assets and Technologies	Norway
2.	WG 2 Security and Operations of tomorrow	Germany
3.	WG 3 Flexibility and Markets	Ireland
4.	WG 4 Future of energy systems	Italy
5.	WG 5 Digital and Communication	Czech Republic
6.	TF DIC	France

***Special invitees***

1.	Amprion	Germany
2.	TenneT TSO GmbH	Germany

***Secretariat***

1.	ENTSO-E	
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***Excused***

1.	Ceps	Czech Republic
2.	CGES	Montenegro
3.	Elering	Estonia
4.	RTE	France

**BLOCK 1: RDIC ADMINISTRATION**

**TOP 1. Welcome and Attendance quorum**

The Chair welcomes all participants to this 65<sup>th</sup> RDIC meeting via teleconference. 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:**

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

## **TOP 2. Approval of draft agenda and RDIC Dashboard 2023**

The Secretariat reviews the draft agenda and asks for approval. The Secretariat reviews the RDIC Dashboard activities and highlights the work plan and priority topics for 2023 including areas at risk. The Secretariat also introduces upcoming activities that require effort from the RDIC members, the RDIC budget plan and the initial status for 2023.

### **Decisions:**

- The RDIC approves the agenda.
- The RDIC takes note of the RDIC Dashboard and their advancement.
- The RDIC takes note of the RDIC 2023 budget status.

## **TOP 3. Highlights from Offshore Network Development Plans**

The Chair invites a guest speaker, the Chair of SDC, to give an update particularly on Offshore Network Development Plans. The Chair of SDC presents the topic and discusses with Members of RDIC.

### **Decisions:**

- N/A

## **TOP 4. READY4DC: Proposal on Multi-vendor Multi-terminal HVDC demonstration definition**

The Chair invites a guest speaker, the READY4DC WP3 Leader, to give an update of the project results and initiate discussions on Multi-vendor Multi-terminal HVDC demonstration definition and location, which is planned to be proposed by the project. The RDIC Members discuss the project proposal and planned outcome, including the gaps in existing interoperability standards and project timeline.

ENTSO-E is organising series of dedicated webinars to each READY4DC Working Package (WP). We invite you to register and share below webinar information with your TSO colleagues that are experts related WP subjects.

**Webinar for WP2 - Legal Framework for the Realization of a Multi-vendor HVDC Network will take place on Monday 6th of March, 10:00-11:30am. Please register [here](#) in order to participate and to receive in advance early draft of the White Paper.**

Leaders of the READY4DC Working Package 2 (WP2) will present early findings included in the draft of the White Paper. The White Paper will be shared with registered participants few days ahead of the webinar. We invite you to share your feedback during the webinar and engage in discussions with WP2.

**Webinar for WP3 - Multi-vendor Interoperability Process and Demonstration Definition will take place on Wednesday 15th March, 9:00-10:30am. Please register [here](#) in order to participate.**

Nico Klötzl - leader of the READY4DC Working Package 3 (WP3) will present early findings included in the draft of the White Paper. We invite you to join the webinar, share your feedback and engage in discussions with WP3 colleagues.

### **Decisions:**

- The RDIC takes note on the advancement of READY4DC project and initial proposal on Multi-vendor Multi-terminal HVDC demonstration definition.

## **TOP 5. Governance RDIC – Election WG1 – Assets and Technology Convener**

The Chair presents the applications for the convenorship of WG1 - Assets and Technology. The applicants introduce themselves. The Chair announces the voting procedure for electing the Convener of WG1 and the appointment based on the voting results.

Furthermore, the recent developments regarding the convenorship of WG3 – Flexibility and Markets are presented with the RDIC Chair welcoming the nomination from EirGrid for the role.

### **Decisions:**

- The RDIC elects the candidate proposed by Statnett as the new WG1 - Assets and Technology convener and will assume this function for a two-years mandate, starting from 22 February 2023. The candidate proposed by Red Eléctrica de España is elected as the vice-convenor for a two-year mandate.
- The RDIC appoints the candidate nominated by EirGrid for the position of the WG3 – Flexibility and Markets for a two-year mandate, starting from 22 February 2023.

## **BLOCK 2: STRATEGY TOPICS**

## **TOP 6. Report from Assembly and Board meetings**

The Chair presents the highlights and outcomes of the Assembly meeting on 14 December 2022 and the Board meeting on 26 January 2023. The Chair and Secretariat provides an update on the planned Vision Implementation Programme and the expected role of RDIC for the implementation.

### **Decisions:**

- N/A

## **TOP 7. Digitalising the Energy System - EU action plan**

The Vice-Chair of RDIC and Secretariat present the developments of Digitalising the Energy System - EU action plan. The Vice-Chair summarises the outcomes of the first joint ENTSO-E and DSO Entity Task Force meeting and outlines the draft Terms of References. The Secretariat initiates the discussion on the related Horizon Europe Innovation Action call on Digital Twin regarding the potential participation of the RDIC members.

### **Decisions:**

- The RDIC acknowledges the start of the Joint Task Force DESAP and ongoing developments.
- The RDIC decides that ENTSO-E Secretariat joins as project partner (exact role to be specified) in the project proposal(s) developed by TSOs for the Innovation Action call on Digital Twin 2023 ([HORIZON-CL5-2023-D3-01-10](#)) – in alignment with the text of the call, explicitly mentioning the request for ENTSO-E's involvement.

## **TOP 8. RDIC Work Programme 2023**

The Secretariat presents the outcomes of the RDIC resource and support planning for the RDIC Work Programme 2023. The Chair and RDIC Members discuss the TSOs' engagement. The Conveners present the outlines of planned activities and needed budget as well as the effort and support needed to complete the tasks on time.

**Decisions:**

- The RDIC approves the RDIC Work Plan 2023 and asks WGs and TF to report regularly on implementation and any changes.

**TOP 9. Fluorinated gases regulation**

The Secretariat summarises the technical and regulatory background regarding the reviewed F-gas regulation sent to the members, including the ENTSO-E response submitted to the European Commission on 29 June 2022. RDIC members raise the need for TSOs to ensure competency by means of having solutions commercially available from two or more different suppliers.

**Decisions:**

- The RDIC acknowledges the recent developments regarding fluorinated gases regulation at both technical and regulation level.
- The RDIC acknowledges the respective ENTSO-E position that was submitted to the European Commission on 29 June 2022.

**TOP 10. ENTSO-E Technopedia**

The Secretariat presents the ENTSO-E Technopedia Action plan for update and promotion. The survey will be submitted to TSOs to gather their inputs about topics, milestones, and priorities and WG RDIP will take the ownership for this topic. Technopedia will be updated and approved by end of November 2023.

**Decisions:**

- The RDIC takes note of the ENTSO-E Technopedia action plan for updates and promotion.

**BLOCK 3: WORKING GROUPS**

**TOP 11. WG5 Digital & Communication**

The Convener presents the 2023 resource planning and the objective, scopes, stakeholder interactions, potential risk identified and proposed mitigations for the Task Forces working on Flagship 6 milestones such as Wide-Area Monitoring System (WAMS), Vendor Independent Solutions and Fully Automated & AI-based systems as well as Digital Twin.

**Decisions:**

- The RDIC takes note of the WG5 Flagship 6 activities.

**TOP 12. WG3 Flexibility and Markets & WG4 Future of Energy Systems - Interim Collaboration**

The Convenor updates RDIC on organisational matters and the status of the ongoing workstreams. Updates are provided for the ongoing work on Heavy-Duty Vehicle Electrification and the other priority topics in the flexibility and sector integration domain.

**Decisions:**

- The RDIC takes note of the progress of WG3 - Flexibility and Markets and WG4 - Future of Energy System priority topics.

**TOP 13. WG2 Security and system operation of tomorrow**

The Convenor updates RDIC members that the HVDC reliability workstream (Flagship 4) is resuming activity and asks members to consider joining it. Likewise, he reports on the Stability Management workstream (Flagship 5) next steps such as external stakeholder interaction, horizon call survey outcome and Project Modelling and Simulation tools.

**Decisions:**

- The RDIC takes note of the WG2 activities, including recent external and internal stakeholder interactions related to the Stability Management in the PEIDS Workstream
- The RDIC approves the presented focus areas for discussion with G-PST in a meeting in Brussels on 9 March.
- The RDIC approves the planning of common ENTSO-E/G-PST expert seminars on the selected focus areas to be held in 2023.
- The RDIC approves the next steps presented regarding the two identified Horizon calls related to Stability Management and exploring further interest strategically within ENTSO-E and with the relevant external parties.

**Top 14. WG1 Assets and Technologies**

The Secretariat informs the RDIC on the survey results of the CO2 footprint on TSOs business (Flagship 3) and the steps needed for continuing the work, underlying the vacancy leadership of this Task Force. In addition, the WG Convenor provides an update on the HV cables (Flagship 4) workstream activities, such as future external stakeholder interaction and the relevant Horizon Europe call on the subject.

**Decisions:**

- The RDIC acknowledges the results of the work on CO2 equivalent emissions in TSO business and recognise the need to continue further work on common TSO evaluation methodology and repository to track CO2 equivalent emissions.
- The RDIC takes note of the next steps proposed by WG1 in relation to HV cables and endorses contacting the identified stakeholders for their development.

**TOP 15. TF Demonstration and Innovation Coordination**

The Convenor updates RDIC on the status of the ongoing coordination with different HE calls initiated by RDIC and thematic working groups. There is a good progress made in the HORIZON-CL5-2023-D3-01-15 where TF DIC supported all coordination steps until the consortium is formed.

The Convenor asks TSO members to express their interest in advance for the coming calls that they have interest to participate. The inter-TSO project is progressing, and the framework development is ongoing.

**Decisions:**

- The RDIC takes note on the progress and lessons learned with Horizon Europe calls coordination by RDIC groups cooperating: TF DIC and Thematic WGs.
- The RDIC takes note on the progress of Inter-TSO project proposal and initiation of the framework by TF DIC and interested TSOs.

**TOP 16. WG RDIP**

The Convenor of WG RDIP provides an update on the RDI Monitoring Report, that was approved by the Board on 26 January. As next steps, the Report will be published after the approval of the General Assembly in early March and then the main outcomes will be presented to the main external stakeholders through a public webinar. Regarding the RDI Roadmap 2024-34, the WG Convenor presents the methodology and timeline of work, according to which, the updated Roadmap will be ready by the second quarter of 2024.

**Decisions:**

- The RDIC acknowledges the proposed steps in the view of RDI Monitoring Report 2022 publication.
- The RDIC requests the WG RDIP to start organizing a public webinar to present the main results of the Monitoring Report in Q2 of 2023.

**BLOCK 4: INTER TSO-PROJECTS & DISSEMINATION**

**Top 17. Dissemination & Communication**

The Secretariat presents the upcoming communication and dissemination opportunities related to the RDIC, including the InnoGrid 2023 conference, organised in cooperation with E.DSO on 9 and 14 June. Besides this event, the Secretariat presents the submission of applications to the EUSEW to hold a policy session on relevant topics to the current RDIC agenda.

**Decisions:**

- The RDIC welcomes the organization of the annual event InnoGrid with E.DSO in June 2023 and requests the Secretariat to ensure high visibility for the recent work of RDIC at the event
- The RDIC acknowledges the policy session proposal on the Digital Twin topic to the EUSEW 2023

**BLOCK 5: AoB & APPROVAL OF DECISIONS**

**TOP 18. Any other business**

The Secretariat presents the initiation of an internal Newsletter to the RDIC members to enhance the efficiency of the follow-up on the various workstreams and the planning required in the different activities. Furthermore, the Secretariat underlines the importance of an upcoming Horizon Europe-call to support the activities of the ETIP SNET and highlights the key role of ENTSO-E in this work.

**Decisions:**

- The RDIC approves to issue the Innovation Newsletter every 3 months
- The RDIC acknowledges the good achievements of ENTSO-E in the support to ETIP SNET and requests ENTSO-E to continue by joining the consortia to answer the Horizon Europe call for public procurement

on “Support to R&I strategic planning and implementation with regard to smart energy systems, ensuring feedback from R&I projects and communities to policy-making processes”.

**TOPIC 19. Approval of the decisions**

**Decision:**

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