

74th Research, Development and Innovation Committee Meeting

Date: 21 November 2024

Time: 08.00 – 15.00

Place: Royal Library of Belgium (KBR), Mont des Arts 28, 1000 Brussels

Participants

Chairman

	Eles	Slovenia
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Vice Chairman

	Terna	Italy
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Members

1.	50Hertz Transmission GmbH	Germany
2.	CEPS	Czech Republic
3.	Elering	Estonia
4.	Eles	Slovenia
5.	Elia	Belgium
6.	Energinet	Denmark
7.	Fingrid	Finland
8.	HOPS	Croatia
9.	IPTO	Greece
10.	Litgrid	Lithuania
11.	PSE	Poland
12.	REE	Spain
13.	REN	Portugal
14.	RTE	France
15.	Svenska Kraftnät	Sweden
16.	TenneT TSO BV	The Netherlands
17.	Transelectrica	Romania
18.	Terna	Italy

Online

19.	Amprion	Germany
20.	EMS	Serbia
21.	Landsnet	Iceland
22.	Mavir	Hungary
23.	MEPSO	North Macedonia
24.	OST	Albania
25.	TransnetBW	Germany

Substitutes

26.	AST	Latvia
27.	EirGrid	Ireland
28.	SONI	Northern Ireland
29.	Statnett	Norway
30.	TenneT TSO GmbH	Germany
Online		
31.	Seps	Slovakia
32.	Ukrenergo	Ukraine

Convenors WGs

1.	WG 1 Assets and Technologies (delegated representative)	Norway
2.	WG 3 Flexibility and Markets	Ireland
3.	WG 4 Future of Energy Systems (delegated representative)	Norway
4.	WG 5 Digital & Communication	Poland
5.	WG RDIP	Portugal
6.	TF DIC	France
7.	RDIC Representative for Sector Coupling	Italy
Online		
8.	WG 2 Security and Operations of Tomorrow	Germany

Secretariat

	ENTSO-E	
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Excused

1.	APG	Austria
2.	CGES	Montenegro
3.	Swissgrid	Switzerland

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BLOCK 1: RDIC ADMINISTRATION

TOP 1. Welcome and Attendance quorum

The Chair welcomes all participants to the 74th RDIC meeting taking place in Brussels, Belgium.

Topic point:

- Confirmation and welcome of participants.

Decision proposals:

- 32 of 35 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 2024

The Chair presents the agenda for the day, and the Manager within the Innovation Section presents the dashboard with the ongoing actions and activities, as well as the 2024 budget execution status and the RDIC 2025 budget proposal.

Topic point:

- RDIC Dashboard and Budget 2024.

Decision proposals:

- The RDIC approves the agenda.
- The RDIC takes note of:
 - the RDIC Dashboard activities and their advancement;
 - the RDIC 2024 budget execution status;
 - the RDIC 2025 budget proposal.

TOP 3. Governance RDIC

The Innovation Coordinator presents the proposed dates and locations of the RDIC meetings in 2025 and informs about the end of mandate of WG1 Convenor as well as next steps regarding the launch of the call for convenorship.

Topic point:

- RDIC meeting dates in 2025.
- Launch call for convenorship: WG1 Assets and Technologies.
- New Secretariat Tools.

Decision proposals:

- The RDIC approves the proposed meeting dates for 2025.
- The RDIC takes note of the end of mandate of WG1 Convenor.

BLOCK 2: STRATEGY TOPICS

TOP 4. Report from Board meeting, 6 November 2024, and preparation for the next Assembly meeting, 11 December 2024

The RDIC Chair reports on the relevant outcomes from the Board meeting, 6 November 2024, and preparation for the next Assembly meeting, 11 December 2024.

Topic point:

- Report from Board meeting, 6 November 2024, and preparation for the next Assembly meeting, 11 December 2024.

Decision proposals:

- The RDIC takes note of the Report from Board meeting, 6 November 2024, and preparation for the next Assembly meeting, 11 December 2024.

TOP 5. Outcomes from the Strategy Workshop 2024

The RDIC Chair together with the Manager within the Innovation Section provide a summary of conclusions reached at the RDIC Strategy Workshop 2024.

Topic point:

- Outcomes from the Strategy Workshop 2024.

Decision proposals:

- The RDIC takes note of the outcomes from the Strategy Workshop 2024 that took place on 20 November 2024 in Brussels.
- The RDIC takes note of presentations from other Committees and their work focus for 2025.

TOP 6. RDIC Work Programme 2025

The RDIC Vice-Chair together with the Manager within the Innovation Section present outcomes and follow up actions with a view to finalise the RDIC Work Programme 2025.

Topic point:

- RDIC Work Programme 2025.

Decision proposals:

- The RDIC takes note of the draft RDIC Work Programme 2025.

TOP 7. Digitalising the Energy System – EU Actions plan - Smart Grid Indicators & Updates from DESAP

The Secretariat provides an update on the first deliverable within the DESAP project on common TSO-DSO challenges & Opportunities and the ongoing work on Digital Twin Use Cases. The RDIC Chair underscores the importance of work on Digital Twin Use cases. The Secretariat together with the RDIC Chair provide an update on SGIs related work and the next steps until Infrastructure forum in 2025.

Topic point:

- Updates from JTF DESAP:
 - Updates on Report on Common TSO-DSO Challenges & Opportunities;
 - Updates on Digital Twin Use Cases;
 - Updates on SGIs.

Decision proposals:

- The RDIC takes note of the status of the Digitalisation of Energy Action Plan (DESAP) project.
- The RDIC takes note of the status of the Smart Grid Indicators (SGIs) work with a view to deliver in the Infrastructure Forum 2025.

TOP 8. Flexibility Needs

The Task Force Manager presents important updates, key messages, timeline and next steps, including stakeholder interactions for both flexibility workstreams. Members share final comments with regard to the messaging. The Task Force Manager takes note of the comment to address it.

Topic point:

- “System Flexibility Needs for the Energy Transition” Report – approval and next steps.
- European Methodology for the Analysis by TSOs and DSOs of the national flexibility needs:
 - Overall status and updates;
 - Joint Drafting Team ToR approval.

Decision proposals:

- The RDIC takes note of the progress and next steps of the ENTSO-E’s work on “System Flexibility Needs for the Energy Transition” Report.
- The RDIC approves the submitted “System Flexibility Needs for the Energy Transition” Report, considering last comments received during the meeting and subject to consequent Assembly approval.
- The RDIC takes note of the progress and next steps of the ENTSO-E’s work on European Methodology for the Analysis by TSOs and DSOs of the national flexibility needs.
- The RDIC approves the Joint Drafting Team’s Terms of Reference (ToR) for the European Methodology for the Analysis by TSOs and DSOs of the national flexibility needs.

BLOCK 3: WORKING GROUPS**TOP 9. WG5 Digital & Communication**

The WG5 Convenor provides progress updates from all the WG5 taskforces, especially efforts on planned AI cross-committee workshop, insights from the intense cross-committee review of PMU implementation guidelines whitepaper and, lastly, planned communication with vendors in Q1 2025.

Topic point:

Updates from WG5/TFs:

- TF DT&AI: Key insights from the interactions with VDE on Digital Twin and updates on planned AI workshop.
- TF WAMS: RDIC Approval of the whitepaper on PMU and PDC implementation guidelines and next steps.
- TF VIS: Updates on standards survey and planned communication with vendors in Q1 2025.

Decision proposals:

- The RDIC takes note of the overall progress of the individual task forces within WG5 – Digital & Communication.
- The RDIC approves the whitepaper on Phase Measurement Unit and Phasor Data Concentrator implementation guidelines.

TOP 10. WG1 Assets and Technologies

The WG1 delegated representative presents the progress on eco-design and LCA methods for TSOs and invites interested Committee Members to express their interest in the RMP project by 25 November. The Secretariat provides an update on the ongoing cross-committee work related to the Net-Zero Industry Regulation, specifically focusing on "primarily used components" and/or "main specific components".

Topic point:

- LCA: raw material passport (RMP).
- Updates on NZI Regulation delegated act on ‘primarily used components’ for electricity grid technologies.

Decision proposals:

- The RDIC takes note on the progress of the work related to eco-design and Life Cycle Assessment methods in the TSO context.
- The RDIC supports the ongoing cross-committee and its role (as contributor) work regarding the implementation of the Net-Zero Industry Regulation (EU) 2024/1735.

TOP 11. WG3 Flexibility and Markets

The WG3 Convenor and the Expert Representative for Sector Coupling give an update on the progress of the hydrogen study's development, outline the study's content, and provide an overview of the project timeline.

Topic point:

- Updates on the Hydrogen study.

Decision proposals:

- The RDIC takes note of the development steps regarding the H2 Study.

TOP 12. WG4 Future of Energy Systems

The Expert Representative for Sector Coupling delivers an update on the progress of the Water Energy Nexus study's development, outlines the study's content, and provides an overview of the project timeline.

Topic point:

- Update on the Water Energy Nexus study.

Decision proposals:

- The RDIC takes note of the development steps regarding the Water Energy Nexus study.

TOP 13. WG2 Security and Operations of Tomorrow

The WG2 Convenor updates on HVDC Reliability and Instability Detection Technologies projects, Stability Workstream activities, as well as the Interoperability Workstream's HVDC specifications and parameters survey.

Topic point:

- Status updates of projects HVDC Reliability and Instability detection technologies.
- Stability Workstream: Outcomes of ESIG webinar and stability factsheet drafts.
- Interoperability workstream: Status update of ongoing HVDC specifications and parameters survey.

Decision proposals:

- The RDIC approves the extension of the deadline for project Instability Detection Technologies to accumulate insights and deliver on broadened goals.

TOP 14. WG RDIP

The WG RDIP Convenor presents the status of the Technopedia update and informs the RDIC Members about the timeline and next steps of this workstream. Additionally, the Secretariat provides an update on the EU Grid Action Plan, Action 7 outlining the principles of the joint work with DSO Entity.

Topic point:

- Technopedia update and approval of the third batch of factsheets.
- Approval of the principles of the joint proposal for GAP Action 7 on Technopedia.

Decision proposals:

- The RDIC approves Batch C of Technopedia factsheets, as submitted in the Session File.
- The RDIC takes note of the developments with regard to EU Grid Action Plan, Action 7 status on Technopedia.
- The RDIC endorses the principles for developing and maintaining the upcoming joint Technopedia platform with DSO Entity.

TOP 15. TF Demonstration and Innovation Coordination

The TF DIC Convenor presents the new structure of the Task Force, describing its main pillars. Afterwards, the Convenor updates the Members on the status of the forthcoming Horizon Europe Work Programme activities and on the Work Programme 2025 draft. The Convenor informs about two proposals received and on the current TF DIC coordination activity with regards to HORIZON-CL5-2025-02-D3-17 call.

Topic point:

- New organization.
- Horizon Europe Work Programmes update and Calls coordination.
- Inter TSO project – updates.
- Innovation Database.

Decision proposals:

- The RDIC takes note of the two Consortium proposals received.
- The RDIC takes note of and approves the Innovation Database, as discussed during the RDIC Workshop on 20 November 2024, with a view of developing it further.

INTER TSO-PROJECTS & DISSEMINATION

Dissemination & Communication (presented at the RDIC Strategy Workshop)

The RDIC Vice-Chair, presents a recap of SET PLAN Conferences while ENTSO-E Secretariat presents timeline of upcoming, internal, Innovation Friday webinars and asks RDIC Members to provide their topic ideas for 2025 webinars by the end of the year. Guest speaker from 50Hertz presents key specification of “Offshore Innovation - Subsea Surveillance” project which will be presented in detailed for TSO community in Q1 2025 during Innovation Friday webinar.

Topic point:

- Recap of past events (SET PLAN Conference).
- Update on upcoming webinars.
- Innovation Friday: updates and future topics.
- “Offshore Innovation — Subsea Surveillance” project.

Decision proposals:

- The RDIC takes note of the upcoming dissemination and communication activities.

ETIP SNET updates (presented at the RDIC Strategy Workshop)

The ETIP SNET Vice-Chairman, on behalf of ENTSO-E, provides an update on the organisation's current workstreams, including participation in ENLIT, where ETIP SNET was present. The RDIC Vice-Chair presents outcomes of the ETIP SNET Regional Workshop.

Topic point:

- Regional Workshop.
- ENLIT.

Decision proposals:

- The RDIC takes note of the updates from ETIP SNET.

BLOCK 4: AoB & APPROVAL OF DECISIONS

TOP 16. Offshore Expert Group

The Offshore Expert Group Representative within the RDIC provides an update on the status of work, with a focus on final roadmap and next steps.

Topic point:

- Final roadmap and next steps.

Decision proposals:

- The RDIC takes note of the status of work in the Offshore Expert Group.

TOP 17. Approval of the Decisions

Topic point:

- Approval of the Decisions.

Decision proposals:

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