

76th Research, Development and Innovation Committee Meeting

Date: 10 April 2025

Time: 09:00 – 14:45

Place: Radisson Blu Hotel, Bucharest, Calea Victoriei 63-81

Participants

Chairman

| | | |
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| | Eles | Slovenia |
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Members

| | | |
|-----|------------------|----------------|
| 1. | Amprion | Germany |
| 2. | APG | Austria |
| 3. | CEPS | Czech Republic |
| 4. | Eles | Slovenia |
| 5. | Elia | Belgium |
| 6. | Energinet | Denmark |
| 7. | Fingrid | Finland |
| 8. | PSE | Poland |
| 9. | Statnett | Norway |
| 10. | Svenska Kraftnät | Sweden |
| 11. | Transelectrica | Roamnia |

Online

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|-----|----------------------|-----------------|
| 12. | 50Hertz Transmission | Germany |
| 13. | IPTO | Greece |
| 14. | Landsnet | Iceland |
| 15. | Mavir | Hungary |
| 16. | OST | Albania |
| 17. | REE | Spain |
| 18. | RTE | France |
| 19. | Seps | Slovakia |
| 20. | TenneT TSO BV | The Netherlands |
| 21. | TransnetBW | Germany |
| 22. | Ukrenergo | Ukraine |

Substitutes

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|-----|-----------------|------------------|
| 23. | EirGrid | Ireland |
| 24. | Litgrid | Lithuania |
| 25. | SONI | Northern Ireland |
| 26. | TenneT TSO GmbH | Germany |

| Online | | |
|---------------|-----------|-------------|
| 27. | CGES | Montenegro |
| 28. | REN | Portugal |
| 29. | Swissgrid | Switzerland |
| 30. | Terna | Italy |

| Convenors WGs | | |
|----------------------|---|----------|
| 1. | WG Research Development & Innovation Planning | Portugal |
| 2. | WG 2 Security and Operations of tomorrow | Germany |
| 3. | WG 4 Future of energy systems | Norway |
| 4. | WG5 Digital & Communication | Poland |
| 5. | TF Demonstration & Innovation Coordination | France |
| 6. | RDIC Representative for Sector Coupling | Italy |
| Online | | |
| 7. | Flexibility Task Force | Italy |

| Secretariat | | |
|--------------------|---------|--|
| | ENTSO-E | |

| Excused | | |
|----------------|-----------------------|-----------------|
| 1. | AST | Latvia |
| 2. | Elering | Estonia |
| 3. | EMS | Serbia |
| 4. | HOPS | Croatia |
| 5. | MEPSO | North Macedonia |
| 6. | Terna (Vice Chairman) | Italy |

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## BLOCK 1: RDIC ADMINISTRATION

### TOP 1. Welcome and Attendance quorum

The Chair welcomes all participants to the 76th RDIC meeting taking place in Bucharest, Romania.

#### Topic point:

- Confirmation and welcome of participants.

#### Decision proposals:

- 30 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 2025

The Chair presents the agenda for the day. The Innovation Deputy presents the dashboard with ongoing actions and activities. The Manager within Innovation Section provides updates on the 2025 budget execution status and Annual Work Programme 2026 planning, including Secretariat input.

#### Topic point:

- Draft planning of future actions.
- RDIC Budget execution status for 2025.
- Annual Work Programme 2026 status.

#### Decision proposals:

- The RDIC approves the agenda.
- The RDIC takes note of:
  - Draft planning of future actions;
  - RDIC Budget execution status for 2025;
  - The ENTSO-E AWP 2026 planning and RDIC Secretariat input, including initial budget request for 2026.

### TOP 3. Governance RDIC

The Innovation Coordinator reminds Members about the vacant position of WG1 Assets & Technologies Convenor as well as upcoming ends of mandates and calls for candidates that are planned in 2025. The Coordinator reminds Members about the possibility of completing a secondment within ENTSO-E Secretariat and provides information on the application procedure. Lastly, the Coordinator encourages Members to volunteer to host a Committee meeting next year.

#### Topic point:

- Call for WG1 Convenor.
- Upcoming ends of mandates and calls for candidates.
- Secondments in the Innovation Section.
- RDIC meetings in 2026 – how TSOs can volunteer to host.

#### Decision proposals:

- The RDIC takes note of:
  - WG1 Assets & Technologies Convenor position vacancy;
  - Governance updates.

## BLOCK 2: STRATEGY TOPICS

### TOP 4. Report the Board and Assembly meetings

The RDIC Chair reports on the main outcomes of the Boards meeting, 5-6 March 2025, and Assembly meeting, 26 March 2025. The Head of Innovation Section congratulates the RDIC Chair on being reelected for a second term. The Offshore Expert Group Representative presents updates on the recent work, including the Public Offshore Roadmap.

#### Topic point:

- Report from Board meeting, 5-6 March 2025, and Assembly meeting, 26 March 2025.
- Offshore Expert Group.

#### Decision proposals:

- The RDIC takes note of the the updates on:
  - Report from Board meeting, 5-6 March 2025, and Assembly meeting, 26 March 2025.
  - Offshore Expert Group.

### TOP 5. Important points from WGs/TFs/Projects

The Secretariat together with the RDIC Member present the final version of the hydrogen study for RDIC approval, highlighting the latest changes and next steps.

Subsequently, the TF DIC Convenor, together with WG 2 Representative present the “Report on the Current Progress of the Interoperability Workstream and Recommendations for Future Actions”, summarise internal discussions and exchanges with external stakeholders and enlist next steps.

Thereafter, the WG1 representative briefs the RDIC on the approach and key outcomes of the Raw Material Passport work, which was developed with the support of external experts.

Then, the WG5 Convenor presents key insights from final position paper on “Vendor agnostic solutions” position paper for RDIC approval.

The WG RDIP Convenor presents the new Technopedia website and gives updates on the next steps foreseen for the DSO/TSO Technopedia.

Lastly, the Secretariat provides an update on the recent Innovation Friday webinars and presents current discussions on future events while flagging opened timeslots for interested TSOs presenters.

#### Topic point:

- Hydrogen study approval.
- “Report on the Current Progress of the Interoperability Workstream and Recommendations for Future Actions” for approval.
- LCA: Raw material passport (RMP).
- VAS position paper approval.
- Technopedia updates.
- Innovation Fridays.

#### Decision proposals:

- RDIC approves the study on “Impact of Renewable Hydrogen on the power system: sector development, flexibility and market aspects” for publication.

- The RDIC approves the preliminary paper on “Report on the current progress of the Interoperability Workstream and recommendations for future actions”.
- The RDIC acknowledges the study on the raw material passport.
- The RDIC approves the Vendor Agnostic Solutions (VAS) Position Paper for external publication.
- RDIC takes note of the launch of ENTSO-E Technopedia website.
- RDIC takes note of update on Innovation Friday webinars.

#### **TOP 6. Digitalising the Energy System – EU Actions plan - Smart Grid Indicators & Updates from DESAP**

The Co-Chair of JTF DESAP presents the project’s overall status especially recently published report on Common TSO-DSO Challenges & Opportunities and ongoing joint ENTSO-E and DSO-Entity work on Digital Twin use cases. The Secretariat provides status update on progress on Smart Grid Indicators (SGIs) and associated risks for delivery at the Infrastructure Forum 2025.

##### **Topic point:**

- Updates from JTF DESAP:
  - Updates on 1st Public Webinar on Digital Twins;
  - Updates on SGIs.

##### **Decision proposals:**

- The RDIC takes note of:
  - The status of the Digitalisation of Energy Action Plan (DESAP) project and planned public webinar on 15 May 2025;
  - The status of the Smart Grid Indicators (SGIs) work and the associated risks for delivering in the Infrastructure Forum 2025.

#### **TOP 7. Space4TSOs: Leveraging European Space assets and capabilities for TSOs (within the EU Competitiveness Compass)**

Representative of the Space4TSOs initiative provides the RDIC with an update on its progress and outlines the next steps; emphasising the ongoing need for Members to nominate relevant multi-disciplinary experts to ensure broad TSO participation and achieve impactful outcomes.

##### **Topic point:**

- Introduction to the initiative framework

##### **Decision proposals:**

- The RDIC takes note of the progress of the Space4TSOs initiative.

#### **TOP 8. Methodology for National Flexibility Needs**

The Task Force Flexibility Needs Convenor presents the latest Flexibility Needs Assessment (FNA) progress of work, the achieved milestone with the approval of the Methodology for submission to ACER and the next steps during ACER’s decision process. What is more, the reply to the public consultation that took place from 08 November to 06 December 2024 is presented.

##### **Topic point:**

- Updates from TF Flexibility:
  - FNA Methodology Draft approval;
  - Public consultation responses;
  - FNA-ERAA alignment position paper;
  - Interactions with ACER during approval period.

**Decision proposals:**

- The RDIC takes note of the progress and next steps on the Methodology for the Analysis of National Flexibility Needs.
- The RDIC approves the ENTSO-E and DSO Entity joint response to the public consultation on the Methodology for the Analysis of National Flexibility Needs that took place from 08 November to 06 December 2024.

**TOP 9. Energy Storage & Hybrid Systems: A Blueprint for Grid Integration**

Transelectrica’s partner presents to RDIC Members energy storage and hybrid systems solutions.

**Topic point:**

- Energy Storage & Hybrid Systems: A Blueprint for Grid Integration.

**Decision proposals:**

- N/A.

**BLOCK 3: WORKING GROUPS**

**TOP 10. WG Research Development & Innovation Planning**

[The topic was not presented during the meeting, but status update was shared as part of meeting’s Session File.]

**Topic point:**

- Implementation Plan – status update.

**Decision proposals:**

- N/A.

**TOP 11. TF Demonstration and Innovation Coordination**

The TF DIC Convenor provides updates on the status of the HORIZON-CL5-2025-02-D3-17 call with regard to the two complementary consortia. The Convenor informs Members on the overall step forward of the TSO centric proposal, highlighting all open points still to be negotiated with the DSO centric one.

**Topic point:**

- Call Coordination HORIZON-CL5-2025-02-D3-17 – update.
- Research and Innovation Ecosystem Monitoring – update.

**Decision proposals:**

- The RDIC takes note of the reporting from Task Force Demonstration and Innovation Coordination and the next steps on the HORIZON-CL5-2025-02-D3-17 call updates.

**TOP 12. WG2 Security and Operations of Tomorrow**

The WG2 Convenor presents key takeaways from recent WG2 workshop and highlights next steps with relevant stakeholders for harmonising HVDC project specification structures, while providing updates on ongoing WG2 projects nearing review periods.

**Topic point:**

- WG2 cross-committee workshop takeaways.
- WG AIM Joint Expert Meeting outcomes.
- WG2 project updates.

**Decision proposals:**

- RDIC takes note of takeaways from the WG2 Security and Operations of Tomorrow workshop.

**TOP 13. WG4 Future of Energy Systems**

The WG4 Convenor presents updates on the scoping of the new workstream on Data Centers, opening the floor to interactive discussions with Members.

**Topic point:**

- Updates on TFs activities: Data centers.

**Decision proposals:**

- The RDIC takes note of the advancements in the scoping of the activities on Data Centers

**TOP 14. WG5 Digital & Communication**

The WG5 Convenor provides updates from WG5 task forces, especially the next steps on planned communication with providers on vendor agnostic solutions, planned focus group activities on use of AI in TSO operations and the new workstream on PMU and WAMS integration into EMS.

**Topic point:**

- Updates from WG5/TFs:
  - TF VAS (formerly VIS): Planned communication with vendors;
  - TF AI: Updates on planned focus group activities and next steps towards AI Roadmap;
  - TF WAMS: Updates from new workstream on PMU and WAMS integration into EMS and related launch of Survey.

**Decision proposals:**

- The RDIC takes note of the overall progress of the individual task forces within WG5 – Digital & Communication.

**TOP 15. WG1 Assets and Technologies**

The Secretariat provides an overview of the current status of the WG1 Task Forces. Following this, the TF Leader presents the key outcomes of the workshop on SF6-free Solutions & Funding Opportunities, which took place on 2 April.

**Topic point:**

- Short recap of the WG1 TF status.
- Outcome of the workshop on SF6-free Solutions & Funding Opportunities.

**Decision proposals:**

- The RDIC takes note of:
  - The WG1 Assets and Technologies updates and the status of each of its Task Forces;
  - The outcome of the internal workshop on SF6-free solutions & funding opportunities.

**BLOCK 4: INTER TSO-PROJECTS & DISSEMINATION****TOP 16. Dissemination & Communication**

The ETIP SNET Vice-Chair provides updates on the last ETIP SNET Governing Board main topics and highlights the importance to keep focusing on the ETIP SNET Roadmap drafting to ensure its alignment with ENTSO-E Roadmap 2024-2034.

**Topic point:**

- ETIP SNET - update.
- Upcoming Conferences/events we are to participate.

**Decision proposals:**

- The RDIC takes note of the ETIP SNET updates and upcoming conferences and events.

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