

73rd Research, Development and Innovation Committee Meeting

Date: 25 September 2024

Time: 09.00 – 15.00h

Place: Metropol Palace Hotel, Bulevar kralja Aleksandra 69, Belgrade (Serbia)

Participants

Chairman

	Eles	Slovenia
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Vice Chairman

	Terna	Italy
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Members

1.	Amprion	Germany
2.	APG	Austria
3.	CEPS	Czech Republic
4.	Eles	Slovenia
5.	Elia	Belgium
6.	EMS	Serbia
7.	Fingrid	Finland
8.	Landsnet	Iceland
9.	Mavir	Hungary
10.	MEPSO	North Macedonia
11.	OST	Albania
12.	PSE	Poland
13.	REE	Spain
14.	REN	Portugal
15.	Seps	Slovakia
16.	Svenska Kraftnät	Sweden
17.	TenneT TSO BV	The Netherlands
18.	TenneT TSO GmbH	Germany
19.	Terna	Italy
20.	Transelectrica	Romania
21.	TransnetBW	Germany
22.	Ukrenergo	Ukraine

Substitutes

23.	50Hertz Transmission	Germany
24.	AST	Latvia
25.	EirGrid	Ireland
26.	Energinet	Denmark

27.	Litgrid	Lithuania
28.	RTE	France
29.	SONI	Northern Ireland

Convenors WGs

1.	WG 1 Assets and Technologies – Convenor	Norway
2.	WG 2 Security and Operations of tomorrow	Germany
3.	WG 3 Flexibility and Markets	Ireland
4.	WG 5 Digital & Communication	Poland
5.	WG RDIP	Portugal
6.	TF DIC	ENTSO-E
7.	RDIC Representative for sector coupling	Italy

Secretariat

	ENTSO-E	
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Excused

1.	CGES	Montenegro
2.	Elering	Estonia
3.	HOPS	Croatia
4.	IPTO	Greece
5.	Statnett	Norway
6.	Swissgrid	Switzerland
7.	Convenor - WG 4 Future of energy systems	Norway

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## BLOCK 1: RDIC ADMINISTRATION

### TOP 1. Welcome and Attendance quorum

The Chair welcomes all participants to the 73<sup>rd</sup> RDIC meeting taking place in Belgrade, Serbia.

#### Topic point:

- Confirmation and welcome of participants.

#### Decisions:

- 29 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 and its execution status.

#### Topic point:

- RDIC Dashboard and Budget 2024.

#### Decisions:

- The RDIC approves the agenda.
- The RDIC takes note of:
  - the RDIC Dashboard activities and their advancement;
  - the RDIC 2024 budget execution status and Q3 2024 forecast.

### TOP 3. Governance RDIC

The RDIC reviews the outcomes of the ENTSO-E Member Survey 2024 and appoints the candidate from RTE as the TF DIC Convenor.

#### Topic point:

- ENTSO-E Member Survey 2024.
- Appointment of Task Force DIC Convenor.

#### Decisions:

- The RDIC takes note of the results of the ENTSO-E Member Survey 2024.
- The RDIC appoints the candidate from Réseau de Transport d'Electricité (RTE) for the position of Task Force Demonstration & Innovation Coordination (TF DIC) Convenor for a first mandate, from 25 September 2024 until 16 November 2025.

## BLOCK 2: STRATEGY TOPICS

### TOP 4. Report from Board Workshop, 17 September 2024, and Board meeting, 18 September 2024, as well as preparation for the next Assembly meeting, 17 October 2024

The RDIC Chair reports on the relevant outcomes from the ENTSO-E Workshop, 17 September 2024, and Board meeting, 18 September 2024, as well as preparation for the next Assembly meeting, 17 October 2024.

#### Topic point:

- Report from Board Workshop, 17 September 2024, and Board meeting, 18 September 2024, as well as preparation for the next Assembly meeting, 17 October 2024.

**Decisions:**

- The RDIC takes note of the Report from Board Workshop, 17 September 2024, and Board meeting, 18 September 2024, as well as preparation for the next Assembly meeting, 17 October 2024.

**TOP 5. Strategic WG updates**

The RDIC Representative reports on relevant insights regarding the Gas cooperation strategy.

**Topic point:**

- Gas cooperation strategy.
- RDI Roadmap 2024-2034 – ACER’s opinion.

**Decisions:**

- The RDIC takes note of the status of the ENTSO-E RDI Roadmap 2024-2034, upon publication and submission to ACER.

**TOP 6. Digitalising the Energy System – EU Actions plan / Smart Grid Indicators**

The RDIC Chair provides an update on the technical paper on Smart Grid Indicators (SGIs), that was presented at the Copenhagen Infrastructure Forum. Additionally, the Secretariat presents the outcomes of the first Advisory Board meeting and reports on the ongoing work and developments from the Digitalization of Energy Action (DESAP) project.

**Topic point:**

- Updates from the Infrastructure Forum – next steps on SGIs:
  - ENTSO-E and RDIC’s role;
  - Links with Technopedia or/and other RDIC work.
- Updates from JTF DESAP:
  - Results & insights from the gap-analysis Survey.

**Decisions:**

The RDIC takes note of:

- the outcomes and possible next steps from the Infrastructure Forum 2024 on Smart Grid Indicators;
- the status of overall task-level engagements of experts from ENTSO-E and EU-DSO Entity in the Digitalization of Energy Action (DESAP) project.

**BLOCK 3: WORKING GROUPS**

**TOP 7. WG4 Future of Energy Systems**

The WG4 Convenor delivers an update on the progress of the Water Energy Nexus study’s development. The Convenor outlines the study’s content and provides an overview of the project timeline.

**Topic point:**

- Update on the Water Energy Nexus study.

**Decisions:**

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

**TOP 8. WG RDIP**

The WG RDIP Convenor updates on the next steps from the publication of the RDI Roadmap 2024-2034 report. The Convenor presents the status of the Technopedia update and informs the RDIC Members about the timeline and next steps of this workstream. Additionally, the Convenor provides an update on the EU

Grid Action Plan, Action 7. Lastly, the Convenor presents insights on publicly available reports on Innovative Grid Technologies.

**Topic point:**

- Implementation plan.
- Technopedia update and approval of the second batch of factsheets.
- Preliminary feedback on the currENT & Breakthrough Energy’s study.

**Decisions:**

- The RDIC takes note of:
  - the status of ENTSO-E RDI Roadmap 2024-2034, upon publication and submission to ACER;
  - the kick-off of Implementation Plan activities.
- The RDIC approves Batch B of Technopedia factsheets (4 assets and 4 digital), as submitted in the session file, noting that the documents will be submitted for proofreading.
- The RDIC takes note of the EU Grid Action Plan, Action 7 status.

**TOP 9. TF Demonstration and Innovation Coordination**

The TF DIC Convenor presents the status of the Innovation Deployment Methodology development and informs about the delivery of the first draft. The Convenor informs about the list of potential calls of interest identified by TF DIC Members. Members, Convenors and Working Groups are invited to be ready to support the TF DIC on the Innovation Deployment Methodology and to express their interest on the list of calls.

**Topic point:**

- Innovation deployment methodology.
- HE Work Programme 2023-2024 & 2025: coordination and general updates.

**Decisions:**

- N/A

**TOP 10. WG1 Assets and Technologies**

The WG1 Convenor presents the key points on the development of Life Cycle Assessment (LCA) work, Building Information Modelling (BIM) workshops, F- Gas regulation implementation clarifications, and ENTSO-E input on the Net-Zero Industry Regulation.

**Topic point:**

- Status on LCA consultant work development.
- BIM workshop and development.
- SF6 and F Gas regulation clarification from EC.
- Acts stemming from the Net-Zero Industry Regulation: ENTSO-E input.

**Decisions:**

- The RDIC notes the key goals outlined for the work related to Mission 1 on eco-design and Life Cycle Assessment methods in the TSO context.
- The RDIC acknowledges the proposed approach of Building Information Models (BIMs) for TSO assets.
- The RDIC notes the ongoing clarification with the European Commission on the implementation of the recently adopted fluorinated gases Regulation (EU) 2024/573.
- The RDIC supports the ongoing cross-committee coordination regarding the implementation of the Net-Zero Industry Regulation (EU) 2024/1735.

### TOP 11. Flexibility Needs

The Project Manager presents the updates and next steps on the System Flexibility Needs for the Energy Transition report and the joint ENTSO-E and EU DSO entity Methodology for National Flexibility Assessment.

#### Topic point:

- System Flexibility Needs for the Energy Transition (SFN):
  - Updates;
  - Timeline.
- EMDR Methodology for National Flexibility Assessment (MNFA):
  - Updates;
  - Joint Drafting Team and Task Force composition;
  - Timeline.

#### Decisions:

- The RDIC takes note of the progress and next steps of the ENTSO-E's work on Flexibility Needs.

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

The WG2 Convenor presents the progress made on the ongoing relevant work regarding Connection Network Codes. In addition, the Convenor highlights the ongoing assessment of potential future work through a roadmap, the tracking of offshore Horizon projects, and the identification of innovation gaps. In terms of the HVDC Interoperability workplan, the Convenor provides an update on its realisation.

#### Topic point:

- A review of ongoing work regarding Network Codes in the form of roadmap to assess potential future work.
- Tracking progress on offshore Horizon projects and identifying innovation gaps to be done by September.
- Potential WG2 workshop/internal meeting to brainstorm work streams to be planned.
- Realising the workplan for HVDC Interoperability.

#### Decisions:

- The RDIC takes note of workstream planning to align tasks and areas of interest for the group.

### TOP 13. WG3 Flexibility and Markets

The WG3 Convenor gives an update on the progress of the hydrogen study's development, outlines the study's content, and provides an overview of the project timeline.

#### Topic point:

- Hydrogen Study.

#### Decisions:

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

### TOP 14. WG5 Digital & Communication

The WG5 Convenor presents updates on the progress of the individual task forces within WG5 – Digital & Communication. The Convenor highlights the preliminary results of the AI survey conducted by TF Digital Twin & Artificial Intelligence (TF DT&AI), the progress made on PMU implementation guidelines, and the updates on the Vendor Independent Solution (VIS) position paper and standards survey by TF VIS.

#### Topic point:

- Updates from WG5/TFs activities:

- TF DT&AI: Updates on AI survey (preliminary results);
- TF WAMS: Updates on PMU implementation guidelines and RDIC approval;
- TF VIS: Updates on VIS position paper and standards survey.

**Decisions:**

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

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

**TOP 15. Dissemination & Communication**

The Secretariat presents the upcoming webinars and future topics for Innovation Fridays. The Secretariat also highlights the main outcomes of the recent Knowledge Sharing webinar.

**Topic point:**

- Update on upcoming webinars.
- Innovation Fridays – future topics.
- Knowledge sharing webinar: main outcomes.

**Decisions:**

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

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

**TOP 16. Any other business**

The ETIP SNET Vice-Chairman, on behalf of ENTSO-E, provides an update on the organisation's current workstreams, including public events like ENLIT, where ETIP SNET will be present. The Secretariat updates on the invitation from InterOPERA to be part of its Advisory Board.

**Topic point:**

- ETIP SNET: updates.
- InterOPERA: Participation in the Advisory Board.

**Decisions:**

- The RDIC takes note of the activities and workplan of ETIP SNET.

**TOP 17. Approval of the Decisions**

**Topic point:**

- Approval of the Decisions.

**Decisions:**

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