

# 81<sup>st</sup> Research, Development and Innovation Committee Meeting

**Date:** 23 April 2026

**Time:** 08:30 – 15:00 (EEST)

**Place:** Electra Palace Athens Hotel, 18-20 Navarchou Nikodimou Str. 10557 Athens, Greece

## Participants

### *Chairman*

	Eles	Slovenia
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### *Vice-Chairman*

	Terna	Italy
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### *Members*

1.	Amprion	Germany
2.	CEPS	Czech Republic
3.	CGES	Montenegro
4.	Elering	Estonia
5.	Eles	Slovenia
6.	Elia	Belgium
7.	Fingrid	Finland
8.	HOPS	Croatia
9.	IPTO	Greece
10.	Litgrid	Lithuania
11.	PSE	Poland
12.	Seps	Slovakia
13.	Svenska Kraftnät	Sweden
14.	Terna	Italy
15.	Transelectrica	Romania
<i>Online</i>		
16.	REE	Spain
17.	REN	Portugal
18.	Swissgrid	Switzerland
19.	TenneT TSO BV	The Netherlands
20.	TransnetBW	Germany
21.	Ukrenergo	Ukraine

### *Substitutes*

22.	50Hertz	Germany
23.	Mavir	Hungary

24.	Statnett	Norway
25.	TenneT TSO GmbH	Germany
26.	RTE	France
<b>Online</b>		
27.	AST	Latvia
28.	EirGrid	Ireland
29.	Energinet	Denmark

**Convenors and representatives of WGs and TFs**

1.	WG Research Development & Innovation Planning	Italy
2.	WG Transmission Grid Technologies (TGT)	Spain
3.	WG Security and Operations of Tomorrow (SOT)	Germany
4.	WG Future Energy Systems	Norway
5.	WG Future Energy Systems	Italy
6.	WG Digital & Communication	Poland
7.	TF Update Innovation Coordination (UIC)	France
<b>Online</b>		
8.	Task Force Hosting Capacities	Portugal

**Secretariat**

	ENTSO-E	
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**Excused**

1.	APG	Austria
2.	EMS	Serbia
3.	Landsnet	Iceland
4.	MEPSO	North Macedonia
5.	OST	Albania
6.	SONI	Northern Ireland



## BLOCK 1: STRATEGY TOPICS

### TOP 1. Welcome and Attendance quorum, approval of draft agenda

The RDIC Chair welcomes all participants to the 81st RDIC meeting taking place in Athens, Greece.

#### Topic point:

- Confirmation and welcome of participants.
- Approval of the agenda.

#### Decision proposals:

- 29 of 35 TSOs represented in the Research, Development and Innovation Committee attend the meeting. The RDIC is quorate.
- The RDIC approves the agenda.

### TOP 2. Important points from WGs/TFs/Projects

The Co-convenor of WG Future Energy Systems presents the "Data Centres and the power system: expected trends, challenges and opportunities" study for approval, including highlights on key messages, timeline for publication and stakeholder engagement activities.

The TF AI expert and WG Digital and Communication Convenor present the ongoing work on governance framework within AI.grids Foundational Models initiative for the EU power system. The Chair acknowledges expert participation in relevant AI.grids working groups and highlights the importance of initiative backed by European Commission including the upcoming project signature ceremony towards end of May.

The WG Digital and Communication Convenor presents updates on AI roadmap on TSO Operations after recently concluded cross-committee review.

The WG Transmission Grid Technologies Convenor updates on the status of the Task Force Life Cycle Assessment (TF LCA), including the proposal to temporarily put its activities on hold, as well as on the overview and initial scope of Digital Substations with virtual protection and control (vPAC) systems, presented for awareness.

- **Topic point:**WG Future Energy Systems:
  - Study approval: "Data Centres and the power system: expected trends, challenges and opportunities".
- WG Digital and Communications TF AI:
  - AI.grids Foundational Model for power grid: updates on project agreement, WG2B Governance framework, WG1 Use Cases, EC signature event on AI roadmap towards end of May.
  - AI roadmap in TSO operations: updates after cross-committee review and workshop.
- WG Transmission Grid Technologies (TGT):
  - Proposal to put on hold TF LCA.
  - Digital Substations: virtual protection and control (vPAC) systems – Overview & Awareness.

#### Decision proposals:

- The RDIC approves the study "Data Centres and the power system: expected trends, challenges and opportunities" and the foreseen stakeholder engagement plan.
- The RDIC takes note on the status of TF AI activities, especially AI.grids project and the workstream on AI roadmap in TSO operations.
- The RDIC takes note of the status of Task Force Life Cycle Assessment (TF LCA).

- The RDIC takes note of the proposed scope for the Digital Substation with virtual protection & control (vPAC).

## BLOCK 2: RDIC ADMINISTRATION

### TOP 3. RDIC Dashboard 2026

The Innovation Deputy presents the new RDIC Dashboard, providing an overview of the information available and the functionalities of the tool. The Deputy then provides an update on upcoming Committee activities, including the status of budget execution and dissemination activities. The Innovation Head of Section subsequently presents the updated set of RDIC metrics to be applied for monitoring RDIC activities in 2026.

#### Topic point:

- New RDIC Dashboard.
- Draft planning of future actions.
- RDIC Budget execution status.
- RDIC metrics: update.
- Dissemination update & Innovation Fridays planning.

#### Decision proposals:

- The RDIC takes note of the:
  - New RDIC Dashboard.
  - Draft planning of future actions.
  - RDIC Budget execution status.
  - RDIC metrics: update.
  - Dissemination update & Innovation Fridays planning

### TOP 4. Governance RDIC

The Committee is informed about the launch of the call for candidates for the position of Convenor of the Working Group “Security and Operations of Tomorrow” and for Task Force “Space for TSOs” Leader. The RDIC takes note of the result of the call for candidates to the Offshore Board Group (OBG). The proposed candidate is presented to the Committee and approved. The Secretariat also updates Members on the call for candidates for the TSO-DSO Board Group and informs Members of the extension of the call.

#### Topic point:

- Call for candidates: Convenor of WG Security and Operations of Tomorrow and Task Force Space for TSOs Lead.
- Results of Call for Candidates to the Offshore Board Group and TSO-DSO Board Group.

#### Decision proposals:

- The RDIC appoints the candidate from TenneT TSO GmbH as the RDIC representative to the ENTSO-E Offshore Board Group (OBG).

### TOP 5. Report from the Board and Assembly

The RDIC Chair provides an update on the outcomes of the RDIC Board meeting held on 15-16 April 2026 and the Assembly meeting of 27 March 2026.

**Topic point:**

- Report from Board meeting, 15-16 April 2026, and Assembly meeting, 27 March 2026.

**Decision proposals:**

- N/A.

**TOP 6. Report from Resources Committee**

The RDIC Vice-Chair presents updates from the recent Resources Committee workshop, focusing on annual planning and budget envelopes for the coming years.

**Topic point:**

- Debrief on 2027 budget envelopes and prioritisation (AWP2027).

**Decision proposals:**

- The RDIC takes note of the updates from the Resources Committee.

**BLOCK 3: OTHER TOPICS**

**TOP 7. WG Updates**

**WG RDIP**

The Convenor of WG RDIP shares updates on the ongoing Technopedia cycle, focusing on the status update, the next steps of the 2026 cycle and the nomination of national points of contact to support the activities. The Convenor updates RDIC Members on the status update of the draft Implementation Plan and next steps. Additionally, the Convenor informs Members on the Innovation Database timeline and planned tasks.

**TF UIC**

The TF UIC Convenor updates on the recent Horizon Europe proposals submission and on the call coordination. The Convenor shares an overview on GF4EU and EXPAND-HVDC project proposals.

**TF Hosting Capacities**

The Convenor of TF Hosting Capacities presents recent developments from TF Hosting Capacities, mainly Capacitypedia platform. The platform is expected to be launched during the Copenhagen Forum on 21-21 May 2026. The Convenor also shares the key messages from the TF to be accompanied with the launch of the platform.

**WG Digital and Communication**

The WG Digital and Communication Convenor presents updates on ongoing joint work with DSO Entity on Digital Twin Roadmap from Digitalisation of Energy Action plan (DESAP) project. The Convenor also presents the outcome of TF Vendor Agnostic Solutions (VAS) intervention in EPRI week.

**WG Security and Operations of Tomorrow**

The WG SOT Convenor shares progress and need for two new projects within the WG: the first on mapping stability gaps and R&D needs within the ENTSO-E Stability Roadmap, and the second on a project proposal in alignment with WG Digital and Communication on enhanced stability monitoring in future control rooms. Additionally, the Convenor presents the Grid Forming Survey which aims to gather inputs from individual TSOs on technical maturity and future R&D needs.

**WG Future Energy Systems**

The Co-convenor of WG Future Energy Systems shares an update on the ongoing activities on “Long Duration Energy Storage”, “Flexibility Platforms” and “Heating and cooling, electrification potential and load curve”, highlighting the timeline towards approval of the reports.

### TF Flexibility

The Secretariat informs RDIC on the TSO timeline to fulfil their mandate, on the support provided by ENTSO-E to members as well as on the upcoming mandated and non-mandated ENTSO-E tasks to be completed with the support of the members. The secretariat highlights the plans to share the Q&A document with ACER and the actions to mitigate possible adverse impacts of doing so.

### Smart Grid Indicators

The Innovation Deputy provides an update on the progress made with regards to the Smart Grids Indicators work and the timeline running up to the Copenhagen Infrastructure Forum on 22 May highlighting the member feedback on the report on input indicators and the plans for its approval by the RDIC as well as the possibility for follow-up work.

#### Topic point:

- WG RDIP
  - Point of Contact for additional expert input for Technopedia factsheets.
  - Implementation Plan: status update.
  - Innovation Database: next steps.
- TF UIC
  - EU Horizon Europe call coordination: Status update and focus on GF4EU & EXPAND-HVDC project proposals.
  - Innovation Ecosystem Monitoring: Updates.
  - HVDC Interoperability update.
- TF Hosting Capacities
  - Approval of the mock-ups and contents of Capacitypedia.
  - Next steps for IT platform development.
  - Main messages for Copenhagen Forum.
- WG Digital and Communication
  - DESAP: updates.
  - TF VAS intervention in EPRI Workshop.
- WG SOT
  - Project Initiation Document: Roadmap for ENTSO-E Stability Management.
  - Project Initiation Document: Project Concept for Enhanced Stability Monitoring in Future Control Rooms.
  - Planned Actions on Grid Forming.
- WG Future Energy Systems
  - LDES - Status and Next steps.
  - Other Updates: Flexibility Platforms & Heating and Cooling.
- TF Flexibility
  - Status and next steps / Interactions with ACER.
- Smart Grid Indicators
  - Status and next steps.

#### Decision proposals:

- The RDIC takes note of the status update of the Implementation Plan 2026-2030.
- The RDIC takes notes of the planning and timeline of the Innovation Database.
- The RDIC takes note of:

- Horizon Europe Call coordination efforts - status update.
- Submitted proposals GF4EU and EXPAND-HVDC for EU Horizon Calls.
- Innovation Ecosystem Monitoring – status update.
- HVDC Interoperability – status update.
- The RDIC approves the mock-ups and contents of the Capacitypedia platform.
- The RDIC takes note of the status of DESAP project and TF VAS activities.
- The RDIC takes note of the current progress on:
  - PID on "Roadmap for ENTSO-E Stability Management".
  - PID on "Project Concept for Enhanced Stability Monitoring in Future Control Rooms".
- The RDIC takes note of the status of the Long Duration Energy Storage, the Flexibility Platforms and the Heating and Cooling projects.
- The RDIC takes note of the reporting pertaining to the implementation of the National Flexibility Needs Assessments.
- The RDIC acknowledges the reporting on the status of the Smart Grid Indicators, ahead of the Copenhagen Infrastructure Forum in 2026.

#### BLOCK 4: AoB & APPROVAL OF DECISIONS

### TOP 8. Approval of the Decisions

#### Topic point:

- Approval of the Decisions.

#### Decision proposals:

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

#### BLOCK 5: WORKSHOP/GROUP DISCUSSIONS

### TOP 9. Breakout sessions, followed by plenum presentation

Working Group Convenors and ENTSO-E Secretariat moderate and lead discussions among the RDIC Members on the following topics:

Session 1: AI tools for ENTSO-E efficiency.

Session 2: ENTSO-E Implementation Plan (WG RDIP) & TSOs Non-paper to support the Horizon Europe Work Programme 2028-2029 (TF UIC).

Session 1: WG Digital and Communication Convenor and ENTSO-E Secretariat present results of three priority areas for AI support for organisational efficiency: Knowledge management, Onboarding & Talent and Reporting & efficiency. The brainstorming session aims to discuss what's working and what's not at TSO-level, lessons from the field and some entry points for ENTSO-E.

Session 2: WG Research Development & Innovation Planning presents the overview of the Implementation Plan 2026-2030 project Concepts and opens discussion on the Project Concepts more in line with TSOs Innovation Projects. Additionally, TF UIC Convenor guides the breakout discussion and focuses on the TF Uptake Innovation Coordination Non-paper Horizon Europe Calls. The overall aim of the Breakout session discussion is to enhance the awareness of RDIC Members on the 13 Implementation Plan Project Concepts and highlight the Project Concepts most appropriate for the Non-paper document that will be discussed with the European Commission.

#### Topic point:

- Session 1: AI tools for ENTSO-E efficiency.
- Session 2: ENTSO-E Implementation Plan (WG RDIP) & TSOs Non-paper to support the Horizon Europe Work Programme 2028-2029 (TF UIC).

**Decision proposals:**

- N/A