

78th Research, Development and Innovation Committee Meeting

Date: 25 September 2025

Time: 08:00 – 16:00

Place: Terna, Turin Office; Via Sandro Botticelli 139

Participants

Chairman

	Eles	Slovenia
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Vice-Chairman

	Terna	Italy
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Special guests

	Terna	Italy
<i>Online</i>		
	Elia Group	Belgium
	REN	Portugal

Members

1.	Amprion	Germany
2.	APG	Austria
3.	CEPS	Czech Republic
4.	Elering	Estonia
5.	Eles	Slovenia
6.	Elia	Belgium
7.	Fingrid	Finland
8.	HOPS	Croatia
9.	IPTO	Greece
10.	Litgrid	Lithuania
11.	Statnett	Norway
12.	Svenska Kraftnät	Sweden
13.	Terna	Italy
14.	TransnetBW	Germany
15.	Ukrenergo	Ukraine
<i>Online</i>		
16.	50Hertz Transmission	Germany
17.	Landsnet	Iceland
18.	OST	Albania
19.	PSE	Poland
20.	REN	Portugal
21.	TenneT TSO BV	Netherlands

22.	Transelectrica	Romania
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Substitutes

23.	EirGrid	Ireland
24.	Energinet	Denmark
25.	RTE	France
26.	SONI	Northern Ireland
27.	TenneT TSO GmbH	Germany
28.	Terna	Italy
29.	Ukrenergo	Ukraine
<i>Online</i>		
30.	REE	Spain

Convenors WGs

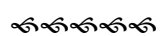
1.	WG Research Development & Innovation Planning	Italy
2.	WG1 Assets & Technologies	Spain
3.	WG2 Security and Operations of tomorrow	Germany
4.	WG4 Future of energy systems	Norway
5.	WG4 Future of energy systems	Italy
6.	TF DIC	France
7.	WG Research Development & Innovation Planning	Italy
<i>Online</i>		
8.	WG5 Digital & Communication	Poland
9.	Flexibility Task Force	Italy

Secretariat

	ENTSO-E	
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Excused

1.	AST	Latvia
2.	CGES	Montenegro
3.	EMS	Serbia
4.	Mavir	Hungary
5.	MEPSO	North Macedonia
6.	Seps	Slovakia
7.	Swissgrid	Switzerland



BLOCK 1: RDIC ADMINISTRATION

TOP 1. Welcome and Attendance quorum

The RDIC Chair welcomes all participants to the 78th RDIC meeting taking place in Turin, Italy.

Topic point:

- Confirmation and welcome of participants.

Decision(s):

- 28 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 as well as updates on the 2025 budget execution status and dissemination activities.

Topic point:

- Draft planning of future actions.
- RDIC Budget execution status for 2025.
- Dissemination update.

Decision(s):

- The RDIC approves the agenda.
- The RDIC takes note of:
 - Draft planning of future actions;
 - RDIC Budget execution status for 2025 and 2026 budget proposal;
 - Dissemination updates.

TOP 3. Governance RDIC

The Committee notes the upcoming end of mandates of the WG5 Digital and Communication and TF Demonstration and Innovation Coordination Convenors, and the call for nominations for these roles is announced. The proposed RDIC meeting dates for 2026 are approved. The internal structure of the Innovation Section is presented. The Committee also approves the establishment of a dedicated Task Force Space4TSOs under RDIC.

Topic point:

- End of mandate - WG Research Development & Innovation Planning Convenor.
- Call for nominations: Convenor of WG5 Digital and Communication and TF Demonstration and Innovation Coordination (TF DIC).
- RDIC meeting dates for 2026 proposal.
- Innovation Section structure.
- WG Terms of References – status update.
- Space4TSOs as RDIC Task Force.

Decision(s):

- The RDIC acknowledges the upcoming end of mandates of WG5 Digital and Communication and TF Demonstration and Innovation Coordination Convenors.
- The RDIC approves the proposed meeting dates for 2026.
- The RDIC takes note of the Innovation Section's internal structure.
- The RDIC approves the establishment of a dedicated Task Force Space4TSOs under RDIC.

TOP 4. Strategy Workshop

The Committee discusses the planning of the RDIC Detailed Annual Working Programme for 2026 and 2027, as well as the preparations for the November Strategy Workshop. The importance of planning activities beyond a one-year horizon to secure resources is noted, together with the timely submission of input for the Work Plan 2026 & 2027 by the end of October, and the preparation of the November Strategy Workshop and RDIC meeting.

Topic point:

- RDIC Detailed Annual Working Programme 2026 and 2027 & November Strategy Workshop.

Decision(s):

- The RDIC takes note of:
 - Importance of planning work beyond one year-ahead to secure required resources.
 - Importance of submission of information for RDIC Work Plan 2026 & 2027 by the end of October by WG Convenors & Task Force Leaders.
 - Planning for November Strategy Workshop and RDIC meeting.

TOP 5. Report the Board and Assembly meetings

The RDIC Chair provides an update on the outcomes of the RDIC Board meeting held on 17 September and Assembly meeting of 25 June.

Topic point:

- Report from Board meeting, 17 September 2025, and Assembly meeting, 25 June 2025.

Decision(s)

- The RDIC takes note of the updates from Board meeting, 17 September 2025, and Assembly meeting, 25 June 2025.

BLOCK 2: STRATEGY TOPICS

TOP 6. Important points from WGs/TFs/Projects

The Committee receives updates on Technopedia: Batch E factsheets which are approved (pending proofreading) and progress on DSO/TSO Technopedia is reported.

The HVDC Interoperability Workstream Representatives report on the ongoing work, and next steps for the Multi-Vendor Multi-Terminal HVDC stream.

Updates on ENTSO-E's responses to EC consultations are reported: these include the EU Space Act, the Strategic Roadmap for Digitalisation & AI, and the Electrification Action Plan.

Smart Grid Indicators status is presented, including the open call for members.

Topic point:

WG RDIP/Technopedia:

- Approval of Technopedia Batch E factsheets.
- Updates on DSO/TSO Technopedia.

HVDC Interoperability Workstream:

- 7 July Workshop update and next steps.

EC consultations:

- Updates on ENTSO-E response to EC consultation on EU Space Act.

- Updates on ENTSO-E response to EC consultation on Strategic roadmap for digitalisation and AI.
- Updates on ENTSO-E response to EC consultation on Electrification Action Plan.

Smart Grid Indicators:

- Status.
- Call for members.

Decision(s):

- The RDIC approves Batch E of Technopedia factsheets, noting that the documents will be submitted for proofreading.
- The RDIC takes note of an ongoing work on Multi-Vendor Multi-Terminal HVDC Workstream and its next steps.
- The RDIC takes note of the reporting pertaining to the Smart Grid Indicators.

BLOCK 3: OTHER TOPICS

TOP 7. WG Updates

WG RDIP Convenor provides a status update on drafting phase of the Project Concepts and Project Factsheets collection. The Convenor updates Members on the ongoing analysis of Project Factsheets and their link to Project Concepts.

TF DIC Convenor updates Members on the current status of Horizon Europe Call coordination efforts from Work Programme 2025. He gives updates on the list of calls of interest from Work Programme 2026-2027 and the already launched coordination meetings. TF DIC Convenor concludes with an overview on the updates from Innovation Ecosystem Monitoring.

TF Flexibility Convenor provides updates on National Flexibility Needs Assessment Implementation and ENTSO-E actions undertaken to support TSOs.

WG2 Convenor reports on Project Instability Detection Technologies and the HVDC reliability report review.

WG1 Convenor updates on status of Task Force HV cables work and SF₆ activities within WG1 and within ENTSO-E.

WG4 co-Convenor provides updates on Data Center activities, including the participation to recent RoundTable. WG4 Convenor presents the development on Business Models for Flexibility activities, stressing the need for TSOs support.

WG5 Convenor provides updates from the TF AI highlighting progress from the AI focus group activities and outlining the next steps towards the development of the AI Roadmap in TSO Operations. The Convenor shares key messages from the TF DT position paper on the federated approach towards Digital Twins, noting the next steps for cross-committee review early October. Convenor further informs Members on the work of the DESAP JTF, presenting updates on Digital Twin use cases and the planned next steps for development.

Topic point:

WG RDIP:

- Implementation Plan – status update.

TF DIC:

- Horizon Europe Calls Coordination.
- Research and Innovation Ecosystem Monitoring.

TF Flexibility - Flexibility Needs Assessment Methodology:

- Updates on National Implementation.
- ENTSO-E actions.

TF Hosting Capacities:

- Presentation of the objectives, scope, and workplan for GAP6.
- Status of the work and results from the survey.

WG2:

- Project Instability Detection Technologies alignment with Iberian Incident report.
- HVDC reliability report RDIC review.

WG1:

- Next steps on BIM (summary of the dedicated breakout session).
- Update on the HV cables work at ENTSO-E (pre-qualification and common TSOs specifications and new ideas for WG1).
- Update on SF6 activities within ENTSO-E.

WG4:

- Data Centers progress on the internal study and updates on the EPRI/EC Roundtables.
- Business Models for Flexibility: update.

WG5:

- TF AI: Updates from AI focus group activities and next steps towards AI Roadmap.
- TF DT: Key messages from position paper on Federated approach towards Digital Twins and next steps towards cross-committee review.
- DESAP JTF: Updates on Digital Twin use cases and planned next steps.

Decision(s):

- The Secretariat takes note of the Implementation Plan 2026-2030 status update.
- The RDIC takes note of the reporting from Task Force Demonstration and Innovation Coordination.
- The RDIC takes note of the reporting pertaining to the implementation of the National Flexibility Needs Assessments.
- The RDIC takes notes of the reporting from Task Force on Hosting Capacities.
- The RDIC approves of proposed postponing of Project Instability Detection Technologies report to be appropriately aligned with ongoing project considerations.
- The RDIC endorses to place the HV Cables Taskforce under WG1 on hold until a clear mandate and specific topics are identified.
- The RDIC takes note of the progress of WG4 Future of Energy Systems activities and supports the expected developments.
- The RDIC takes note of the overall progress of the individual task forces within WG5 Digital & Communication.
- RDIC takes note of the ongoing interactions with DG ENER for aligning with their upcoming RAID-E roadmap.

BLOCK 4: WORKSHOP/GROUP DISCUSSIONS

TOP 8. 2 parallel breakout sessions, followed by plenum

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

- Session 1: Flexibility – inputs towards a follow-up study.
- Session 2: Extracting value from BIM-implementation across TSOs.

Topic point:

- Session 1: Flexibility – inputs towards a follow-up study.
- Session 2: Extracting value from BIM-implementation across TSOs.

Decision(s):

- N/A.

BLOCK 5: AoB & APPROVAL OF DECISIONS**TOP 9. Approval of the Decisions****Topic point:**

- Approval of the Decisions.

Decision(s):

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