

79th Research, Development and Innovation Committee Meeting

Date: 27 November 2025

Time: 08:00 – 15:15

Place: Sheraton Düsseldorf Airport Hotel, Terminal Ring 4, Duesseldorf, Germany, 40474

Chairman

	Eles	Slovenia
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Vice-Chairman

	Terna	Italy
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Special guests

	APG	Austria
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Members

1.	Amprion	Germany
2.	Elering	Estonia
3.	Eles	Slovenia
4.	Fingrid	Finland
5.	HOPS	Croatia
6.	IPTO	Greece
7.	Litgrid	Lithuania
8.	Mavir	Hungary
9.	PSE	Poland
10.	REE	Spain
11.	Seps	Slovakia
12.	SONI	Northern Ireland
13.	Svenska Kraftnät	Sweden
14.	Terna	Italy
15.	TenneT TSO GmbH	Germany
16.	Transelectrica	Romania
Online		
17.	50Hertz Transmission	Germany
18.	CGES	Montenegro
19.	Elia	Belgium
20.	EMS	Serbia
21.	Landsnet	Iceland
22.	RTE	France
23.	Swissgrid	Switzerland

Substitutes

24.	AST	Latvia
25.	CEPS	Czech Republic
26.	EirGrid	Ireland
27.	Statnett	Norway
28.	TenneT TSO BV	Netherlands
29.	Ukrenergo	Ukraine
Online		
30.	Energinet	Denamrk

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.	WG5 Digital & Communication	Poland
7.	TF DIC	France

Secretariat

	ENTSO-E	
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Excused

1.	APG	Austria
2.	MEPSO	North Macedonia
3.	OST	Albania
4.	REN	Portugal
5.	TransnetBW	Germany



BLOCK 1: RDIC ADMINISTRATION

TOP 1. Welcome and Attendance quorum

The RDIC Chair welcomes all participants to the 79th RDIC meeting taking place in Düsseldorf, Germany.

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 as well as updates on the 2025 budget execution status, dissemination activities, and updated ENTSO-E Innovation Secretariat structure.

Topic point:

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

Decision proposals:

- The RDIC approves the agenda.
- The RDIC takes note of:
 - Draft planning of future actions;
 - RDIC Budget execution status for 2025;
 - Dissemination updates;
 - ENTSO-E Innovation Secretariat structure.

TOP 3. Governance RDIC

The Chair presents the nominees for the positions of WG5 Digital & Communication and TF Demonstration and Innovation Coordination Convenors, which are then endorsed by the Committee. The Chair also introduces the nominee for the position of ETIP SNET Chair from ENTSO-E and outlines the next steps for formal approval. The Secretariat provides an update on the drafting and approval process for the Working Groups' terms of references. Subsequently, the Secretariat shares status updates regarding RDIC representation in various Board Groups.

Topic point:

- RDIC appointments:
 - Convenor of WG5 Digital and Communication;
 - TF Demonstration and Innovation Coordination (TF DIC).
- ETIP SNET Chairmanship.
- WG Terms of References – status update.
- RDIC representation in Board Groups.

Decision proposals:

- The RDIC appoints:

- The candidate from PSE for the position of WG5 Digital & Communication Convenor for the second mandate, 27 November 2025 – 27 November 2027.
- The candidate from RTE for the position of TF Demonstration and Innovation Coordination Convenor for the second mandate, 27 November 2025 – 27 November 2027.
- The RDIC takes note of:
 - the updates related to chairmanship of ETIP SNET and next steps.
 - the status update of WG Terms of References.
 - the Committee’s representation in Board Groups.

TOP 4. Report from the Board and Assembly

The RDIC Chair provides an update on the outcomes of the RDIC Board meeting held on 19-20 November 2025 and the Assembly meeting of 22 October 2025.

Topic point:

- Report from Board meeting, 19-20 November 2025, and Assembly meeting, 22 October 2025.

Decision proposals:

- The RDIC takes note of the updates from Board meeting, 19-20 November 2025, and Assembly meeting, 22 October 2025.

TOP 5. Strategy Workshop 2025

The RDIC Vice-Chair provides an overview of the outcomes from the Strategy Workshop 2025 regarding the RDIC Work Programme 2026 and 2027 and budget as well as the RDI Cycle discussions.

Topic point:

- Outcomes:
 - RDIC Work Programme 2026 & 2027 and Budget – next steps;
 - RDI Cycle discussions – summary & next steps.

Decision proposals:

- RDIC takes note of the results of the Strategy Workshop.

BLOCK 2: STRATEGY TOPICS

TOP 6. Important points from WGs/TFs/Projects

The Convenor of WG RDIP updates the RDIC Members on the review process for the 12 technology factsheets that are to be approved. The new website to host these 12 technology factsheets in collaboration with the EU DSO entity is shown and the video made to provide ample publicity is also played. RDIC Members approve the 12 factsheets for publication, the website as well as the video to be shared on social media.

The Convenor of TF Hosting Capacities updates the RDIC Members on the status of the joint work between ENTSO-E and DSO Entity. The TF is planning to launch an IT platform, developed within the framework of a joint TSO-DSO website, by Q2 2026. Leading to the launch of the final platform, the TF is drafting a progress report to be published by the end of 2025 that provides the first view of contents for the website.

The RDIC Chair provides an update on the progress of the Smart Grid Indicators project, emphasising ACER’s strong momentum toward publishing a paper by the end of December, while noting several caveats raised by ENTSO-E and the European Commission. Finally, the RDIC Chair calls for greater member involvement and underscores the potential risks associated with insufficient participation in the process.

WG2 Convenor provides a reminder of the written voting processes that are for RDIC attention regarding two technical reports: Data Specifications for HVDC Reliability Assessment and the Instability Detection Technologies Report. The Secretariat encourages Members to liaise with technical experts from relevant Committees (SOC, SDC) and cast their vote in time as the deadlines for the voting procedures are December 5th and December 19th respectively.

The WG1 follows up on the Building Information Model (BIM) breakout session from the 78th RDIC, resulting in the RDIC endorsing the continuation of the TF BIM with a reinforced mandate, confirming its scope to prioritise BIM for grid digitalisation and implementation while excluding external standardisation work.

WG5 Convenor presents the key messages of the position paper on Federated Approach to Digital Twins and encourages Members to submit their votes in the ongoing written voting procedure.

Topic point:

WG RDIP/Technopedia:

- Approval of DSO/TSO factsheets.
- Approval of DSO/TSO Technopedia introduction video.
- Approval of DSO/TSO Technopedia website layout.

TF Hosting Capacities:

- Status of the work.
- Approval of technical requirements document.
- Mandate for Capacitypedia contents.

Smart Grid Indicators:

- Status.
- Call for members results.

WG2:

- Approval of Instability Detection Technologies Report and Annex.
- Approval of Data Specifications for HVDC Reliability Assessment.

WG1:

- Follow up on the BIM breakout session from 78th RDIC.

WG5:

- TF DT: Approval of Position Paper on Federated Approach to Digital Twins.

Decision proposals:

- The RDIC approves:
 - The 12 technology factsheets for publication on new DSO/TSO Technopedia website;
 - Website layout and launch video for the DSO/TSO Technopedia.
- The RDIC approves 'TSO-DSO joint website – Technical Specifications' submitted with the Session File.
- The RDIC takes note of the developments regarding EU Grid Action Plan 6 on Hosting Capacities.
- The RDIC takes note of the reporting pertaining to the Smart Grid Indicators.
- The RDIC endorses the continuation of the TF BIM with a reinforced mandate —i.e., clearer authority and resources— to execute its proposed work plan for 2026.
- The RDIC confirms and approves the defined scope of the TF BIM, prioritising BIM for grid digitalisation and implementation and explicitly excluding external standardisation work from the Task Force's focus.
- The RDIC takes note of the status of Federated Approach to Digital Twins position paper and next steps for publication and dissemination.

BLOCK 3: OTHER TOPICS

TOP 7. WG Updates

WG5 Convenor provides updates from the TF Vendor Agnostic Solutions (VAS) highlighting the outcome of VAS presentation during ICTC meeting and the engagement with vendors. The Convenor also updates the Committee on JTF DESAP activities on Digital Twin use cases, the interactions with DG ENER, and ENTSO-E's response to EC Consultation on Roadmap on digitalisation and AI in energy (RAID-E).

WG1 Convenor informs the RDIC that Task Force on Life Cycle Assessment (TF LCA) is moving forward with the Request for Proposal (RFP) on the harmonised documentation and certification guidelines study. A provider is selected for this study, and a preliminary timeline is established for the project's execution.

WG RDIP Convenor provides a status update on the recent developments of the Implementation Plan. He updates the Committee on the ongoing "Project Concepts" experts' review of the Implementation Plan. The Convenor then calls for additional ongoing or completed innovation projects to complement the Project Concepts description.

TF DIC Convenor provides update on the current status of Horizon Europe Call coordination focusing on the two calls that are currently in the proposal preparation phase. TF DIC Convenor concludes with an overview on the main updates from Innovation Ecosystem Monitoring.

ENTSO-E secretariat staff provides a status update highlighting important milestones from the Flexibility methodology and describes ENTSO-E support towards TSOs during the national implementation process.

TF Space4TSOs presents the framework and the identified high-potential Use Cases utilising GNSS (PRS), Secure SATCOM, and Copernicus to significantly enhance TSO resilience, synchronisation, and operational efficiency to the RDIC, which takes note of the proposed structure, recognizing the defined roles and the collaborative mechanism involving the European Commission (EC), EUSPA, and ESA.

WG4 co-Convenor provides a status update on the recent response to EC's consultation on the upcoming Electrification Action Plan and on the various WG Task Force projects.

Topic point:

WG5:

- TF VAS: Update on outcome of VAS presentation during ICTC Committee meeting, engagement with vendors and next steps.
- DESAP JTF: Digital Twin use cases and planned next steps.

WG1:

- TF LCA: RFP on Harmonised Documentation and Certification Guidelines study: provider selected and preliminary timeline.

WG RDIP:

- Implementation Plan - Status Update.

TF DIC:

- EU Horizon Call coordination: Updates.
- Innovation Ecosystem Monitoring: Updates.
- Innovation Alliance update.
- HVDC Interoperability update.

TF Flexibility:

- Updates on National Implementation.

- ENTSO-E actions.

TF Space4TSOs:

- Presentation of the framework and use cases.

WG4 Future of Energy Systems:

- EC consultation on Electrification Action Plan.
- Business models for flexibility.
- Long duration Energy Storage.
- Data centers.

Decision proposals:

- The RDIC takes note of the overall progress of the TF VAS within WG5 Digital & Communication.
- The RDIC also acknowledges the JTF DESAP activities on Digital Twin use cases, the interactions with DG ENER, and ENTSO-E's response to EC Consultation on Roadmap on digitalisation and AI in energy (RAID-E).
- The RDIC notes the completion of the consultant selection process for the 'harmonised guidance validation for RMPs' study.
- The RDIC 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 note of:
 - The proposed framework, recognising the defined roles and collaborative mechanism involving the European Commission (EC) including the European Union Agency for the Space Programme (EUSPA), European Space Agency (ESA).
 - The extensive work on the overview of the Use Cases (following IEC 62559 methodology), which validates the high potential of integrating GNSS (PRS), Secure SATCOM, and Copernicus capabilities to enhance TSO resilience, synchronisation, and operational efficiency.
- The RDIC takes note of the reporting pertaining to ongoing activities of WG4 Future of Energy Systems.

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: AI Roadmap in TSO Operations.
- Session 2: Future of Power System Stability – Stability Management Position Paper Update.

Topic point:

- Session 1: AI Roadmap in TSO Operations.
- Session 2: Future of Power System Stability – Stability Management Position Paper Update.

Decision proposals:

- N/A.

BLOCK 5: AoB & APPROVAL OF DECISIONS

TOP 9. Approval of the Decisions

Topic point:

- Approval of the Decisions.

Decision proposals:

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