69th Research, Development & Innovation Committee Meeting

Date: 16 November 2023
Time: 09.00 – 15.00h
Place: ENTSO-E Headquarters, Brussels + web conference - (Microsoft Teams)

Participants (physical)

**Chairman**

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**Vice Chairman**

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**Members**

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**Substitutes**

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Conveners WGs

1. WG 1 Assets and Technologies – Convenor Norway
2. TF DIC France
3. WG 3 Flexibility and Markets Ireland
4. WG 4 Future of energy systems Italy
5. WG Research Development and Innovation Planning (WG RDIP) Portugal

Secretariat

ENTSO-E

Special invitees

ENTSO-E Belgium
Terna Italy

Excused

1. Elering Estonia
2. Els Slovenia
3. FinGrid Finland
4. HOPS Croatia
5. 50Hertz Germany
6. TransnetBW Germany
7. WG1 Assets and Technologies – Vice-Convenor Spain
8. CGES Montenegro

Participants (remote)

Members

22. Amprion Germany
23. 50Hertz Germany
24. EMS Serbia
25. Mavir Hungary
26. REN Portugal
27. Seps Slovakia
28. Swissgrid Switzerland

Substitutes

1. Mavir Hungary
2. OST Albania
3. PSE Poland
TOP 1. Welcome and Attendance quorum

The Chair welcomes all participants to this 69th RDIC meeting organised as a hybrid meeting, taking place at ENTSO-E office in Brussels and as web conference. The Chair welcomes the speakers by ENTSO-E, HoS SDC, and by Terna.

**Topic point:**
- Confirmation and welcome of participants

**Decisions proposal:**
- 26 of 33 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 2023

RDIC Members receive updates on key priorities, organisational aspects, and budget execution status for 2023.

**Topic point:**
- RDIC Dashboard and Budget 2023

**Decisions proposal:**
- The RDIC approves the agenda
- The RDIC takes note of the RDIC Dashboard activities and their advancement
- The RDIC takes note of the RDIC 2023 budget execution status

TOP 3. RDIC meetings dates in 2024

The Secretariat briefs the RDIC members on the proposed RDIC meetings calendar in 2024.

**Topic point:**
- RDIC meetings dates in 2024

**Decisions proposal:**
- The RDIC approves the proposed calendar for the RDIC meetings in 2024: 21 February (only online), 24 April, 20 June (Poland, hosted by PSE), 25 September, 20/21 November 2024

TOP 4. Governance RDIC: Election Convenor WG 5 and Convenor TF DIC

Further to the RDIC Decisions in the RDIC meeting of 15 June 2023, and considering that the mandate of the current convenor of TF DIC terminates on 23 November 2023, the Secretariat launched a call for candidates on 29 September for convenorship TF DIC that closed on 16 October. During this time, one application was received by the Innovation Head of Section, RDIC Chair, Vice-Chair, and RDI Secretariat.
Further to the RDIC Decisions in the RDIC meeting of 20 September 2023, the Secretariat launched a call for candidates on 25 September for convenorship WG 5 that closed on 16 October. During this time, three applications were received by the Innovation Head of Section, RDIC Chair, Vice-Chair, and RDI Secretariat.

**Topic point:**
- Presentation of candidates for Convenor WG 5 and TF DIC
- Election of Convenor WG 5 and Convenor TF DIC

**Decisions proposal:**
- Convenor TF DIC: RDIC acknowledges the one application by RDIC member RTE
- Convenor WG 5: RDIC acknowledges 3 applications by RDIC members PSE, Statnett and Elia Group

**TOP 5. Nomination and mandate of RDIC representative in the new Expert Group TSO-DSO**

System Operations ENTSO-E representatives introduce the Expert Group TSO-DSO to RDIC members and explain the importance of nominating RDIC representatives for this Expert Group. The decisions by the RDIC members will be subject to the approval of the ENTSO-E Board in the meeting scheduled on 23 November 2023.

**Topic point:**
- Nomination and mandate of RDIC representative in the new Expert Group TSO-DSO

**Decisions proposal:**
- The RDIC appoints the convenor of the RDIC Working Group Digitalisation as the main representative of the RDIC in the Expert Group TSO-DSO and mandates him/her to fulfil, on RDIC behalf, all duties of the TSO-DSO Expert Group member as defined in the ToR of the Expert Group TSO-DSO.
- The RDIC appoints the convenor of RDIC Working Group Flexibility and Markets as the alternate representative of the RDIC in the Expert Group TSO-DSO and mandates him/her to fulfil, on RDIC behalf, all duties of the TSO-DSO Expert Group member as defined in the ToR of the Expert Group TSO-DSO.

**TOP 6. Report from Key meetings and events: Board Strategy Workshop - 4 October 2023, Board meeting - 5 October 2023, Assembly meeting – 26 October 2023**

The RDIC Chair briefs the RDIC members on the key meetings and events held by Board and Assembly during October.

**Topic point:**
- Report from Key meetings and events: Board Strategy Workshop - 4 October 2023, Board meeting - 5 October 2023, Assembly meeting – 26 October 2023)

**Decisions proposal:**
- n/a

**TOP 7. Outcomes from the RDIC Strategy Workshop 2023**

The Head of Innovation Section provides a concise summary of the conclusions reached during the RDIC Strategy Workshop 2023.

**Topic point:**
• Outcomes from the RDIC Strategy Workshop 2023

**Decisions proposal:**
- The RDIC takes note of the outcome of RDIC 2023 strategy workshop

**TOP 8. RDIC Work Programme 2024**

The Vice-Chair presents the respective outcomes and follow up actions with a view to finalize the RDIC Work Programme for 2024.

**Topic point:**
- RDIC Work Programme 2024
- Draft Resource Plan 2024 and TSOs’ engagement

**Decisions proposal:**
- The RDIC takes note of the draft RDIC Workplan 2024 as prepared during the RDIC Strategy Workshop

**TOP 9. Upcoming new Grid EU Actions plan**

The Head of System Developments presents to the RDIC members the input of ENTSO-E towards the upcoming new Grid EU Actions Plan to be released by EC. The key recommendations are focused on Planning Europe’s future electricity system, Financing and ramp-up of grid investments, Adequate and sustainable manufacturing capacity and Enhanced regulatory drivers. EU Grid Action Plan is expected to be published by end of November 2023.

**Topic point:**
- Upcoming new Grid EU Actions plan

**Decisions proposal:**
n/a

**TOP 10. Digitalising the Energy System - EU Actions plan**

The RDIC Chair presents final draft of Digitalising the Energy System – EU Actions Plan (DESAP) project proposal, the number of resources required for the entire project and provides a glimpse into prospective use cases that will be developed in the next months. RDIC chair also highlights the call for dedicated experts.

**Topic point:**
- Final draft of the project proposal – call for experts
- Updates on content development

**Decisions proposal:**
The RDIC takes note of:
- the final draft of the project proposal on Digitalising the Energy System – EU Actions Plan (DESAP)
- the ongoing work on identification of challenges and families of use cases that will be further developed in the next months, according to the project plan.

The representative from PCG informs RDIC members about the recent amendments and compromised agreements at the EU Parliament concerning SF6 and PFAS. PCG representative summarizes the ongoing discussions related to the NZI Act and emphasizes the forthcoming steps.

**Topic point:**
- High-level overview of PCG

**Decisions proposal:**
- The RDIC takes note of the ongoing discussions around the Net Zero Industry (NZI) Act and thanks PCG representative for the updates presented on the ongoing discussions and amendments and proposed compromised agreements at the European Parliament

**TOP 12. Pact for skills – new Association to ensure needed skills for future energy system**

The Secretariat presents the invitation ENTSO-E received from the newly formed Association to answer the request for a Large-scale partnership on skills foreseen by the Digitalization of the Energy System EU Action Plan. The Partnership would gather all the relevant stakeholders that are interested in acquiring the proper skills for the future needs of a more digital electricity system.

**Topic point:**
- Decisions on the invitation for ENTSO-E to the new Associations related to energy skills

**Decisions proposal:**
- The RDIC decides to join the Partnership on digital energy skills but become only an associated member of the Association to follow the related activities

**TOP 13. ENTSO-E Technopedia**

The Secretariat updates on ENTSO-E Technopedia progress, Webinars, and next steps of implementation. Priority 1 technologies are being updated and are under review by WGs while Priority 2 technologies are currently undergoing updates from the consultant. The Secretariat announced the upcoming Technopedia Webinar on mid-December, briefs the RDIC members on ENTSO-E Technopedia website update and invites them to consider the new technologies that are strategic for TSOs in the light of RDI Roadmap update.

**Topic point:**
- Updates and Progress
- Webinars
- Consultant engagement

**Decisions proposal:**
- The RDIC acknowledges the progress made in Technopedia’s update technologies.

**BLOCK 3: WORKING GROUPS**

**TOP 14. WG5 Digital & Communication**

The Secretariat presents the latest developments of WG5, focusing on the workstream related to Digital Twins, in which the WG members were identifying and mapping uses cases for the Digital Twin technologies that are most relevant for the TSOs. This is to be used as input for the TSO-DSO Joint Task Force on the Digitalization of the Energy System Action Plan.
TOP 15. WG4 Future of Energy Systems

WG4 Convener provides RDIC members updates on the recent public webinar on power-to-heat (19 October 2023) and the outcomes from the fruitful discussions. In addition, the Convener informs the members about the developments on the investigations on smart charging and the impact on battery degradation that will continue in the first quarter of 2024 and insights from the work done within the Electromobility Platform. Lastly, the Convener updates on stakeholder discussion on electromobility and highlights the key proposed activities related to the Committee’s workplan of 2024.

TOP 16. WG3 Flexibility and Markets

WG3 Convener updates the members on the progress of the Flexibility Needs Assessment project and the revised timeline with a view to produce results in the first half of the year. The project also follows the respective developments on the Electricity Market Design Regulation (EMDR) and the future requirements on Flexibility Need Assessment. Furthermore, the Convener gives a brief view of the discussions on a possible future investigation on hydrogen and market design during 2024.
## Final Minutes (incl. Decisions)

### TOP 17. WG2 Security and Operations of Tomorrow

The WG2 Convener updates on Flagships 4 and 5 topics, briefing on the outcomes of the online workshop held on September for HVDC reliability, and on the development and next steps of HE Call “Development and integration of advanced software tools in SCADA systems for High, Medium and Low voltage AC/DC hybrid systems”.

**Topic point:**

**Flagship 4 (HVDC reliability WS):**
- Update on the 28 September Workshop

**Flagship 5 (Stability Management WS):**
- ENTSO-E framework for the Horizon Europe CL5-2024-D3-01-17 and next steps

**Decisions proposal:**
- The RDIC takes note of the WG2 proposed steps covering HVDC reliability.
- The RDIC approves the framework covering the Horizon Europe call CL5-2024-D3-01-17, part of the ongoing Work Programme 2023-2024 “Development and integration of advanced software tools in SCADA systems for High, Medium and Low voltage AC/DC hybrid systems” to be shared with relevant stakeholders to form two cooperative consortia that can respond to the Horizon Europe call funding scheme.
- The RDIC takes note of stakeholder engagement.

### TOP 18. WG1 Assets and Technologies

The WG1 Convener provides updates on Flagship 3 activities and highlights progress and next steps on the CO₂ footprint position paper in TSO business and a summary of the reviewed fluorinated greenhouse gases regulation (aka F-Gas).

**Topic point:**

**Flagship 3:**
- Status and next steps of the position paper on CO2 footprint in TSO business
- Status on the reviewed F-Gas Reg.

**Decisions proposal:**
- The RDIC acknowledges the status of the paper on the CO2 footprint in the TSO business and supports the recommendations
- The RDIC takes note of the ongoing proposed amendments to the reviewed fluorinated greenhouse gases (aka F-Gas) regulation

### TOP 19. TF Demonstration and Innovation Coordination

The convener of TF DIC informs RDIC members about the status of different HE calls and the coordination activities. The completion of amendments of the future calls and their submission to national contact points is achieved in close cooperation with TF DIC. Furthermore, the convener provides updates on the forthcoming EU
2025-2027 Horizon Europe work programme and outlines TF DIC preparations to closely monitor and disseminate timely information to TSOs regarding new calls.

Topic point:
- HE Calls Coordination/Status
- Agenda for coming 2025-2027 HE programme + call for participation & contact updates
- Inter TSO project – Status

Decisions proposal:
- The RDIC takes note of the progress and finalization of the Horizon Europe calls coordinated by TF DIC and Thematic WGs

Top 20. WG RDIP

The WG RDIP convener provides an update of the status of the new ENTSO-E RDI Roadmap 2024-2034, highlighting the upcoming steps in the planned work process, focusing on the update of the Cluster and Milestones structure of the document.

Topic point:
- RDI Roadmap update – outcome of the strategy workshop & next steps

Decisions proposal:
- The RDIC takes note of the progress related to the new RDI Roadmap 2024-2034

BLOCK 4: INTER TSO-PROJECTS & DISSEMINATION

TOP 21. Dissemination & Communication

The Secretariat present the ENTSO-E communication plan for 2024 which marks the 15th anniversary of the association. On this occasion, multiple communication actions will be carried out on ENTSO-E level that affects events that have been organized in cooperation with external stakeholders in the previous years.

Topic point:
- New approach from the Board related to Strategic Communication Plan

Decisions proposal:
- The RDIC takes note of ENTSO-E communication plan for 2024

BLOCK 5: AoB & APPROVAL OF DECISIONS

TOP 22. Any other business

The Chair informs about the end of mandate of ETIP SNET chairship by ENTSO-E starting from January 2024. ENTSO-E will continue to represent the Association as vice-chair from then on in ETIP SNET, while the chairman position will be assumed by the representative of E.DSO according to the rotational system between the two organizations.

Regarding the other subject, the Secretariat presented the current process for support letters and stakeholder advisory board role for external projects.
Final Minutes (incl. Decisions)

**Topic point:**
- ETIP SNET chairmanship
- Support letters – Horizon EU projects

**Decisions proposal:**
- The RDIC supports the nomination of Norela Constantinescu as representative of ENTSO-E for the position of ETIP SNET vice-chair

TOP 23. Approval of the Decisions

**Topic point:**
- Approval of the Decisions.

**Decisions proposal:**
- The RDIC approves the Decisions and final minutes of the meeting.