59th Research, Development and Innovation Committee Meeting

Date: 25 November 2021
Time: 08:45 – 14:50h
Place: Web-conference

Participants

Chairman

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Vice Chairman

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Members

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TOP 1. Attendance quorum

The Chair welcomes all participants to this 59th RDIC meeting via teleconference put in place once again due to the particular circumstances related to Covid-19. The RDIC Chair confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

Decisions proposal:
- 25 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 2021

The RDIC Chair reviews the draft agenda and asks for approval. The Secretariat reviews the RDIC Dashboard activities and highlights the areas at risk. The Secretariat also introduces the RDIC budget status for 2021.

Decisions proposal:
- The RDIC approves the agenda.
- The RDIC takes note of the RDIC Dashboard activities and the good advancement of the activities.
- The RDIC takes note of the RDIC 2021 budget status.

TOP 3. Governance RDIC

The Chair presents the application and initiates the election procedure of the convenorship for the Task Force Demonstration and Innovation Coordination (TF DIC). The new convenor introduces himself. The Chair and Secretariat thanks the WG1, WG2 and WG5 convenors for their outstanding activities during the last 4 years which transformed the RDIC into a fully recognised committee in ENTSO-E structure. The Chair announces the opening of the call for the convenorship positions of WG1, WG2, WG4 and WG5 and encourages RDIC members to nominate candidates. The Chair presents and discusses with the RDIC members the proposed dates for RDIC meetings in 2022.

Decisions proposal:
- The RDIC elects the Convenor of TF DIC who will assume the function for a two-years mandate.
- The RDIC decides to launch a call for convenorship for the WG1, WG2, WG4, WG5. The WG1, WG2, WG5 Convenors arrive to the end of the second mandate. The WG4 convenor arrives to the end of the first mandate, allowing for a re-election option for another two-years mandate.
- The RDIC approves the dates for RDIC meetings in 2022: 3 February, 4 May, 15 June, 21 September, 29-30 November 2022. Dates are approved by taking into account the Board and Assembly meeting calendar of 2022.

TOP 4. RDIC Strategy Workshop

The Secretariat and RDIC Conveners present the outcomes and innovation priorities of the RDIC Strategy Workshop held on 24 November 2021. The Secretariat presents the proposal and discusses with RDIC Members the “RDI Acceleration Mission 2022”, suggested actions and the links with RDI Flagships. The Chair requests the Thematic WGs, RDIP and TF DIC to support the Secretariat on the mission development. The Chair requests Thematic WGs to align work plans for 2022 in accordance with the actions defined during the RDIC Strategy Workshop.

Decisions proposal:
- The RDIC welcome the successful cross-committee cooperation and take notes of the summary outcomes of the RDIC Strategy Workshop held on 24 November 2021.
TOP 5. Knowledge Building for Implementing RDI Roadmap

The WG3 Convenor presents the first main messages of the Power-to-Hydrogen Study related to technical and long-term storage capabilities of electrolysers. Moreover, he presents the next steps and timeline for submitting the study on Power-to-Hydrogen for Board Approval in the first quarter of 2022.

The RDIC Chair presents an overview and main messages of the ENTSO-E Offshore position papers. The Secretariat presents the main messages of the ACER Position on incentivising smart investments to improve the efficient use of electricity transmission assets and discuss ENTSO-E position paper development for the subject.

Decisions proposal:
- The RDIC approves the first main messages of Power-to-Hydrogen Study and takes note of its progress status.
- The RDIC takes note of the package of the 6 offshore position papers developed by RDIC, MC, SOC, SDC and their main messages.
- The RDIC takes note on the progress of the development of the Recommendations on Innovation Uptake Through Regulation position paper.

TOP 6. Vision 2050 Project

The Secretariat and WG4 Convenor presents the progress of the Vision2050 Project with a focus on the developments in relation to “Game Changers” and Innovation chapters.

Decisions proposal:
- The RDIC asks WG4 Convenor and the vice-Chair to continue supporting the Vision2050 Project in all Clusters.
- The RDIC endorses the chapter on Innovation, provided into the master document (main deliverable) by RDIC representatives.
- The RDIC welcomes the pre-selected “game-changers”, filtered by WG4 according to their probability and potential impact on the baseline scenario of Vision2050.
- The RDIC asks Secretariat to support WG4 and Vision2050 project team to arrange the experts webinars in order to reach a more informed consensus on the evolution of controversial game changers.

TOP 7. Horizon Europe calls

The Secretariat updates the Committee members about the TSO participation in the submitted proposals of Horizon Europe Calls which were due in 2021, while presenting the TSO engagement in the upcoming calls which are due in 2022. The Secretariat discusses with the Committee members the ENTSO-E participation in Horizon Europe calls that will be submitted early in 2022 based on the invitations that Secretariat received to join these projects. The Secretariat concludes with the Committee members on the next steps.

Decisions proposal:
- The RDIC takes note of the TSOs’ interest in the upcoming Horizon Europe calls which are due in 2022.

TOP 8. Technopedia Framework

The Secretariat presents the modified concept for the set-up of a Governing Board in order to keep the Technopedia regularly up-to-date and to develop the tool further towards becoming a point of reference for
the stakeholders and the TSOs. The presentation introduces the potential structure of the Governing Board and the involved stakeholders in addition to the next steps in the process according to the RDIC requests from its previous meeting.

**Decisions proposal:**
- The RDIC approves the setup of a Governing Board including senior experts from T&D Europe, CurrENT, AIOTI and E.DSO to ensure the regular update and further development of the ENTSO-E Technopedia.

### BLOCK 3: WORKING GROUPS

#### TOP 9. WG2 Security and system operation of tomorrow

The WG2 Convenor informs on the recent activity within Flagship 4 and Flagship 5. Starting with Flagship 4, he informs on the recent activity within the SET Plan TWG on HVDC development and underlines the open vacancy to lead the WS on HVDC Reliability. Outgoing Work Stream leader informs about the accomplished milestones (incl. Survey) and the foreseen steps on this workstream. Stability Management in PEDS Work Stream leader introduces the ongoing programme development status across Committees (viz. SDC and SOC) and next steps towards interacting with external stakeholders. Grid Assessment Work Stream leader updates on the ongoing consortium implementing the work stream description approved by RDIC in June 2021.

**Decisions proposal**
- The RDIC takes note of the WG2 Flagship 4 activities.
- The RDIC takes note of the WG2 Flagship 5 activities.

#### TOP 10. WG4 Future of energy system

The WG4 Convenor updates the Committee members on the progress of the ‘Power to Heat Integration’ workstream presenting the first outcomes from Deliverables 1a & 1b of this study. Moreover, he presents the planned next steps and timeline for submitting the Position Paper on Power-to-Heat Integration for Board Approval in the first quarter of 2022. Finally, the Convenor updates the Committee members on the synergies between WG4 with SDC on Sector Coupling ensuring the alignment and contribution in joint documents and papers.

**Decisions proposal:**
- The RDIC takes note of the progress and approves the planned next steps and timeline of the Power-to-Heat Integration Workstream.

#### TOP 11. WG RDIP

The WG RDIP Convener presents the responses and updates of the ENTSO-E RDI Implementation Report 2021-2025 based on the comments received during the public consultation phase. The WG RDIP Convener discusses with the RDIC Members planned next steps on finalising the paper. The WG RDIP Convener presents the progress of the development of the ENTSO-E RDI Monitoring Report.

**Decisions proposal:**
- The RDIC approves the draft version of ENTSO-E RDI Implementation Report 2020 – 2025 and public consultation responses summary for submission to the ENTSO-E Board approval.
TOP 12. WG3 Flexibility and Markets

The WG3 Convenor updates the Committee members on the state of play of the assessment of flexibility (non-wire) solutions in system planning. He briefly highlights the main messages and outcomes so far as presented during the last StG T&D Committee meeting, as well as the next steps.

Decisions proposal:
- The RDIC takes note of WG3 progress on its current activities.

Top 13. WG1 Assets and Technologies

The WG1 Convenor provides an overview of the ongoing work within Task Forces under its umbrella. The Convenor also underlines the non-tackled-yet Flagship 3 and 4 milestones related to technologies and assets. Furthermore, the leader of the TF lead-in cables provides an overview of the current cooperation with Europacable. Besides, the WG1 raises awareness on the upcoming inter-TSO workshops in Q1 2021, covering Real-Time Thermal Rate (RTTR) and standardisation in HVDC cables and components. Lastly, the WG1 convener informs on the inter-TSO workshop on SF6 alternative gas already scheduled on Tuesday, 25 January 2022, from 9:00 to 16:00 CET.

Decisions proposal:
- The RDIC takes note of the progress overview on the ongoing and future activities under WG1.

Top 14. WG5 Digital & Communication

The WG5 Convenor gives a progress overview and next steps on the already covered Flagship 6 milestones: vendor-independent solutions (based on Open-Source solutions) for TSO’s control centres, Wide Area Monitoring Systems (WAMS) implementation by relevant Steering Groups under SOC. Moreover, an analysis of the not-yet tackled Flagship 6 milestones is presented. RDIC members are invited to engage with WG5 activities and play a role in their pan-EU scoping and definition. He also provides a summary of the outcome of the first workshop on vendor-independent solutions. Based on it, a questionnaire will be shared with all the TSO community (TSOs and RSCs). Furthermore, WG5 Convenor informs on the ongoing EC public consultation on digitalisation of the energy sector closing on 23 January 2022.

Decisions proposal:
- The RDIC takes note of the WG5 developments.
- The RDIC takes note of the outcomes of the workshop on the vendor-Independent solutions for TSO’s control centres.

BLOCK 4: INTER TSO-PROJECTS & DISSEMINATION

Top 15. Dissemination & Communication

The Secretariat presents the recent and upcoming communication activities related to the RDI activities of ENTSO-E, including the Flexibility Webinar on 12 November, the ENTSO-E Annual Conference on 26 November, and the planned sessions of the Innovation Friday webinars.

Decisions proposal:
- The RDIC takes note of the coming communication and dissemination opportunities to promote RDI activities - among others – at the ENTSO-E Annual Conference.
TOP 16. Any other business

The Secretariat presents the Incubator Programme of EPRI which is now open for European utilities, such as TSOs this year, providing opportunity to scout start-ups from EU and overseas, bringing solutions to emerging challenges.

The Secretariat also provides an overview on the status setting of the new ENTSO-E Committee to tackle topics related to digital technologies and present the timeline of the development of this new Committee.

**Decision proposal:**
- RDIC takes note of the potential participation of TSOs in EPRI’s start-up incubation program.
- The RDIC acknowledges the status and the timeline for setting-up of the new Committee covering digital areas.

TOPIC 17. Approval of the decisions

**Decision proposal:**
- The RDIC approved the decisions and draft minutes of the meeting.