

54th Research, Development and Innovation Committee Meeting

Date: 3-4 December 2020
 Time: 13.30 – 14.30 h => 1st Part
 Time: 08.45 – 12.30 h => 2nd Part
 Place: Web-conference

Participants

Chairman

| | | |
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| | Statnett | Norway |
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Vice Chairman

| | | |
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| | Eles | Slovenia |
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Members

| | | |
|-----|----------------------|-----------------|
| 1. | Amprion | Germany |
| 2. | APG | Austria |
| 3. | Ceps | Czech Republic |
| 4. | Eles | Slovenia |
| 5. | Elia System Operator | Belgium |
| 6. | Energinet.dk | Denmark |
| 7. | Fingrid | Finland |
| 8. | JSC EMS | Serbia |
| 9. | Litgrid | Lithuania |
| 10. | Mavir | Hungary |
| 11. | PSE | Poland |
| 12. | REE | Spain |
| 13. | REN | Portugal |
| 14. | RTE | France |
| 15. | Statnett | Norway |
| 16. | Svenska Kraftnät | Sweden |
| 17. | Swissgrid | Switzerland |
| 18. | TenneT TSO BV | The Netherlands |
| 19. | TenneT TSO GmbH | Germany |
| 20. | Terna | Italy |
| 21. | Transelectrica | Romania |

Subsistutes

| | | |
|-----|-------------------------|-----------------|
| 22. | 50Hertz Transmission | Germany |
| 23. | AS Augstsprieguma tīkls | Latvia |
| 24. | <i>Eles</i> | <i>Slovenia</i> |
| 25. | <i>Energinet.dk</i> | <i>Denmark</i> |
| 26. | IPTO | Greece |
| 27. | <i>Mavir</i> | <i>Hungary</i> |
| 28. | National Grid | United Kingdom |
| 29. | OST | Albania |
| 30. | <i>PSE</i> | <i>Poland</i> |
| 31. | <i>REE</i> | <i>Spain</i> |
| 32. | <i>Terna</i> | <i>Italy</i> |
| 33. | TransnetBW | Germany |

Conveners WGs

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| 1. | WG Research Development and Innovation Planning (WG RDIP) | Norway |
| 2. | WG 1 Power System Modernisation | Germany |
| 3. | WG 2 Security and System Stability | Germany |
| 4. | WG 3 Power System Flexibility | Greece |
| 5. | WG 4 Future of energy systems | Italy |
| 6. | WG 5 ICT and Digitalisation of Power System | Czech Republic |

Special Invitee

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| 1. | Convenor PT on Assessment of Flexibility Solutions in System Planning | Slovenia |
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Excused

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|----|--------------------------------------|-----------------------------|
| 1. | CGES | Montenegro |
| 2. | Eirgrid and SONI | Ireland |
| 3. | Elering | Estonia |
| 4. | ESO | Bulgaria |
| 5. | HOPS | Croatia |
| 6. | Landsnet | Iceland |
| 7. | MEPSO | Republic of North Macedonia |
| 8. | Scottish Hydro Electric Transmission | United Kingdom |

Secretariat

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| 1. | ENTSO-E | |
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3 December 2020 - First Part

BLOCK 1: RDIC ADMINISTRATION

TOP 1 Approval of draft agenda and RDIC Dashboard 2020

The RDIC Chair reviews the draft agenda and asks the RDIC for approval. The Secretariat reviews the RDIC Dashboard activities and highlights the areas at risks. The Secretariat presents the ETIP SNET structure and foresees changes of representatives. The Secretariat also review the RDIC Budget 2020 performance and introduces the RDIC budget for 2021.

Decisions:

- 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 rotation of chairmanship of ETIP SNET from ENTSO-E to EDSO.
- The RDIC takes note of the absence of candidates from the RDIC management or from ETIP SNET Governing Board (Guido Guida will step out from ETIP SNET).
- The RDIC agrees that Laurent Schmitt will take over the Vice Chairman position of the ETIP SNET based on his contract with ENTSO-E starting from April 2021 and he will represent ENTSO-E. The proposed solution until April 2021 is: one of the ENTSO-E members of ETIP SNET Governing Board will act as interim vice chair.

TOP 2 - RDIC meetings 2021 and RDIC Strategy Workshop 2021

The RDIC Chair reviews the RDIC meetings dates proposed for 2021. The Secretariat presents the conclusions and way forward after RDIC Strategy Workshop 2020.

Decisions

- The RDIC agrees on the meeting dates proposed for 2021: 3 February, 21 April, 16 June, 14 September and 24-25 November for Strategy Workshop 2021 and RDIC meeting.
- The RDIC takes note that the same organisation of the RDIC meetings is foreseen for 2021, by web-conference, noting that the situation can be re-examined when conditions change.
- The RDIC agrees that the physical meetings will be organised again by the secretariat in order to maintain a fluid organisation and facilitate the dialogue between members as soon as conditions about travelling restrictions and health concerns related to the Covid-19 will change.

TOP 3 - Report from Assembly meeting 15 October and Board meeting 18 November 2020

The RDIC Chair debriefs the topics discussed and outcomes from the Assembly meeting of 15 October and Board meeting 18 November 2020.

Decisions:

- The RDIC Chair reports from the Assembly and Board meetings on different aspects, out of which the most relevant topics for RDIC are the following: interoperability for offshore grid developments, Active 2020+ measures on cross-committee cooperation, cooperation framework with DSOs (MOU)
- The RDIC welcomes the positive feedback from the Board and Assembly on the ENTSO-E RDI Roadmap 2020-2030, the public consultation results and support of stakeholders for the Flagships as well as the positive opinion of ACER on the Roadmap.

- The RDIC takes note that the Board acknowledges the cooperation between RDIC and ACER and agrees to follow up as stated in point 3 of the agenda meeting on 4 December 2020.

BLOCK 2: RDIC STRATEGICAL TOPICS

TOP 4 - Implementation of the Flagships & Implementation Report

The Secretariat presents the outcome of the RDIC Strategy Workshop 2020 and the proposal for the next steps on the development of RDI strategy 2.0 and cross-committee cooperation.

Decisions:

- The RDIC takes note of the proposed next steps of implementation of selected milestones in Flagships 1, 2, 3, 5 and 6 proposed by the thematic Working Groups.
- The RDIC takes note of the gap analysis presented especially for Flagship 1 and 3 and recognises that the proposed measures represent a priority which should be tackled by the RDIC.
- The RDIC agrees with the proposal to set up a Demonstration, Innovation and Coordination Center/Working Group.
- The RDIC agrees to develop further a proposal for RDIC Strategy 2.0 based on the above.
- The RDIC agrees with the proposed approach and next steps of RDI Implementation Report.

4 December 2020 - Second Part

BLOCK 2: RDIC STRATEGICAL TOPICS

TOP 1 - Attendance quorum

The Chair welcomes all participants to this 54th RDIC meeting via teleconference put in place once again due to the particular circumstances related Covid-19 business trip restrictions.

Decisions proposal:

- 27 out of 33 TSOs represented in the Research, Development and Innovation Committee attend the meeting. The RDIC is quorate.

TOP 1.1 – Summary of RDIC Strategy Workshop 2020

The Secretariat presents the RDIC Strategy Workshop 2020.

TOP 2 - Smart Grid Indicator

The Secretariat presents the final report of Smart Grid Indicator and next steps for the dissemination towards stakeholders. The RDIC members discuss the introduced key indicators and alignment with other committees.

Decisions:

- The RDIC agrees to launch a written voting process on the final report on smart grid indicators.
- The RDIC requests to follow the ENTSO-E internal procedure for publication on the website.
- The RDIC agrees that the report can be used for exchanges with relevant stakeholders.

- The RDIC acknowledges that the comments made by NRAs are not reflected in the report. The RDIC therefore invites the T&D TF to further explore how to address them in 2021.

TOP 3 - Innovation uptake through regulation

The Vice-Chair presents 12 innovative solutions to ACER for integration in ACER questionnaire Task 1 and Task 2 as presented in the session file.

Decisions:

- The RDIC agrees with the proposed next steps and requires the members to answer the questionnaire developed by ACER based on the 12 innovative solutions to support the development of a framework for enhancing innovation uptakes by regulation.

BLOCK 3: WORKING GROUPS

TOP 4 – WG1 Assets and Technologies

The WG1 Convener presents the ENTSO-E response to the European Commission Public consultation on F-gas Regulation and asks for approval for submission. The Convener introduces the proposal to develop an ENTSO-E Position Paper on Lead Usage. The RDIC Members discuss the main objectives of this position paper and alignment with other committees.

Decisions:

- The RDIC approves the ENTSO-E response to EC Public consultation on F-gas Regulation and asks WG1 to submit the response before 29 December 2020. The RDIC encourages the members to participate in the EC public consultation by aligning ENTSO-E response with national aspects.

TOP 5 - WG2 Security and system operation of tomorrow

The WG2 Convener presents the interoperability workstream, timeline of Interoperability and Grid Forming Capabilities position paper. The Convener presents the progress of HVDC reliability workstream. The RDIC members discuss and agree to follow the standard procedure for Interoperability and Grid Forming Capabilities position paper. The RDIC members discuss the next steps for “Workstream for the development of multi-vendor HVDC systems and other Power Electronics Interfaced Devices”.

Decisions:

- The RDIC takes note of the submitted “Workstream for the development of multi-vendor HVDC systems and other Power Electronics Interfaced Devices” and asks the members to provide comments till 11 December 2020. The paper development is to be framed as implementation of ENTSO-E RDI Roadmap Flagship 4.
- The RDIC takes note of the HVDC Reliability development and welcomes WG2 to inform the RDIC members about the further progress after the T&D Europe feedback is received.

TOP 6 - WG4 Future of energy system

The WG4 Convener presents the key messages and recommendations from the first draft of Electromobility paper analyses. The WG4 Convener presents the sector coupling advancements: TYNDP, EC strategy, P2X, hydrogen, cooperation with SDC and WG4 progress on Trendspotting activity.

Decisions:

- The RDIC approves the timeline towards the approval and publication of the Electromobility paper.
- The RDIC acknowledges the proposal for key messages and structure of the Electromobility Paper and requests the members to provide further comments until 11 December 2020.
- The RDIC welcomes the involvement of SDC, SOC and PCG into the development of the Electromobility Paper.
- RDIC acknowledges the cooperation with the SDC within Sector Coupling TF.
- The RDIC agrees to include PCG included in the loop of consultation together with SDC and SOC.

Top 7 - WG5 Digital & Communication

The WG5 Convener presents the progress plan and the results of consultant selection for WAMS project. The Convener presents the Digital substation work progress with WG1 & WG AIM within SDC and presents to the RDIC members the next steps.

Decisions:

- The RDIC takes note of WG5 progress on WAMS report developed with the support of a consultant.

Top 8 - WG3 Flexibility and Markets

The WG3 Convener presents the update on Flexibility needs assessment paper. The representative of the Steering Group T&D Interface presents the progress of relevant StG T&DI workstreams on assessment of flexibility solutions in system planning, a new Task Force on demand-side flexibility. The RDIC members discuss the deliverables and planned scope of assessment of flexibility solution and indirect link with connection agreements and outages, to be included as regulatory type of flexibility instruments. The WG3 Convener presents the structure, workstreams and scope of H2020 OneNet project.

Decisions:

- The RDIC takes note of the reporting by WG3 Convener and approves the proposed activities for 2021.

BLOCK 4: AoB AND APPROVAL OF DECISIONS

Top 9 - Active 2020+: Governance and procedure for external projects; Cross committee interaction; Strategic interaction

The Secretariat presents the overview and analysis of existing external ENTSO-E projects. The Secretariat discuss the importance of cooperation with external stakeholders and results of such projects. The ENTSO-E Board approved the process to validate the role and participation of ENTSO-E is reviewed. The RDIC Chair presents the outcomes of the Board discussions and the summary of the cross-committee guidance.

Decisions:

- The RDIC takes note of the Board approval of ENTSO-E participation in R&I external financed projects: overview of existing projects, proposed procedure for future participation and reporting and agrees to proceed with a written approval as soon as the RDIC existing procedure will be updated with the new elements.
- The RDIC agrees on ENTSO-E (secretariat) participation in external financed R&I projects (approved by RDIC on 3 December 2020) according to the elements approved by the Board.
- The RDIC takes note of the closed measure Active 2020+ regarding the cross-committee cooperation on 3 levels: L1 - executive, L2 -committee chairs on strategic orientation, L3 – ENTSO-E secretariat cross section level on implementation.

TOP 10 - Dissemination & Communication

The Secretariat presents the RDIC Dissemination & Communication activities and proposes to restart the Innovation Fridays starting from December 2020.

Decision:

- The RDIC takes note of the restart of Innovation Fridays webinars and the next one will take place on 18 December 2020; presentations from Equigy, ESA -TSO pilots.

TOP 11 - Network Code development and Network Code and Guideline amendments

The Secretariat presents the process for developing a new Network Code and amendment of existing Network Codes and Guidelines. The Secretariat reviews the process structure, roles and steps.

Decisions:

- The RDIC acknowledges the proposal of process for updating, amending and developing the network codes.
- The RDIC considers to take a proactive approach in the process for network codes based on the RDI activities as for example the Interoperability of HVDC grids, Grid Forming etc.
- The RDIC takes note of the request to include the Network Codes and Guidelines development and amendment process in the development of RDIC Strategy 2.0 for bringing-up the projects results

TOP 12 - TSOs initiative on EU Projects

The RDIC Chair opens a discussion with the RDIC members on TSOs initiative on EU Projects. The RDIC members exchange the knowledge on projects proposals under development.

Decision:

- The RDIC acknowledges the shared knowledge on projects proposals under development.

BLOCK 5: AoB & APPROVAL OF DECISIONS

TOP 13 - Any other business

The RDIC Chair informs the RDIC members about the plan of ENTSO-E structural changes and development for the RDI Section. The Chair informs about the opening of the RDIC Chair position and the willingness of Chair to continue his assignments in RDIC for the 2nd mandate. The Chair informs the RDIC members about the farewell of current ENTSO-E Secretarial General.

TOPIC 14 - Approval of the decisions

Decision:

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