Final Minutes (incl. Decisions)

53rd Research, Development and Innovation Committee Meeting

Date: 10 September 2020
Time: 08.45 – 14.40h
Place: Web-conference

Participants

Chairman

	Statnett	Norway

Vice Chairman

	Eles	Slovenia

Members

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

Subsitutes

21.	50Hertz Transmission	Germany
22.	Eles	Slovenia
23.	Energinet.dk	Denmark
24.	IPTO	Greece
25.	Mavir	Hungary
26.	National Grid	United Kingdom
27.	OST	Albania
28.	REE	Spain
29.	Terna	Italy
30.	TransnetBW	Germany

Conveners WGs

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

1.	Convenor TF Smart Grid Indicators, StG TSO-DSO Interface	Germany

Excused

1.	CGES	Montenegro
2.	Eirgrid	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
9.	SONI	United Kingdom

Secretariat

1.	ENTSO-E	

BLOCK 1: RDIC ADMINISTRATION

TOP 1 - Attendance, quorum

The Chair welcomes all participants to this 53rd RDIC meeting via teleconference put in place once again due to the particular circumstances related Covid-19 business trip restrictions. The RDIC Chair confirms that participants can formally cast their vote via teleconference on decisions proposed during the meeting.

Decision:
- The RDIC takes note that 27 out of 34 TSOs represented in the Research, Development and Innovation Committee are present. The RDIC is quorate.

TOP 2 - RDIC meetings reorganisation for 2020-2021

The ENTSO-E Secretariat informs the Committee about the Board and Assembly's approval of travel and physical meetings restrictions due to Covid-19 and suggests to continue organising all 2020 meetings by teleconference.

Decisions
- The RDIC agrees to organise the 2020 meetings by teleconference.
- The RDIC agrees the meetings in 2021 will be both teleconference and physical if conditions allow. Dates will be decided as soon as the meeting dates for the Board and Assembly are set.

TOP 3 - Approval of draft agenda and RDIC Dashboard 2020

The RDIC Chair reviews the draft agenda and asks the RDIC for agenda approval. The ENTSO-E Secretariat reviews the RDIC Dashboard activities and highlights a good advancement of the activities, especially related to the external projects (SPRING, ONENET). The ENTSO-E Secretariat introduces the RDIC budget changes for 2020 after the second review and introduces the forecast with the breakdown 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 available RDIC budget for 2020.
- The RDIC takes note of the budget for 2021 which has the same magnitude as in 2020.

BLOCK 2: RDIC STRATEGICAL TOPICS

TOP 4 - Report from Assembly meeting 25 June 2020

The RDIC Chair presents the discussion points and highlights from the last ENTSO-E Assembly meeting of 25 June 2020. The RDIC Chair highlights the praise of ENTSO-E RDI Roadmap 2020-2030 by the Board and the Assembly and the agreement of the two ENTSO-E bodies on RDI clusters and flagships.

Decisions:
- The RDIC takes note of the report from the Board.

- The RDIC welcomes the approval of the ENTSO-E RDI Roadmap 2020-2030 - Executive Summary by the Assembly.

TOP 5 - RDI Roadmap 2020-2030 and its implementation

The RDIC Chair opens the discussion on RDI Roadmap 2020-2030 and its implementation. The Convener of WG RDIP presents the general feedback of public consultation and the ETNSO-E Secretariat introduces proposed consideration of stakeholders' comments. The RDIC discusses the RDIC mandate for the development of ENTSO-E RDI Implementation Plan which is composed of 3 Tasks: Task 1 - Implementation Report, Task 2 - Implementation Plan (execution) and Task 3 - Monitoring Report. The RDIC discusses also the rearrangement of the RDIC structure and expected members involvement in flagships implementation related mainly to Task 2.

Decisions:
- The RDIC takes note of the outcome of 18 answers received on the public consultation for ENTSO-E RDI Roadmap 2020-2030.
- The RDIC takes note of stakeholders' comments and invites the WG RDIP to address them either by amending the Roadmap when necessary or by taking them into account as part of the Implementation Plan.
- The RDIC discusses the proposal of Implementation Plan for the RDI Roadmap.
- The RDIC agrees that the Implementation Plan of the Roadmap should be agile.
- The RDIC underlines the benefit of involving/overlapping of Thematic Working Groups to Task Forces by focusing on the implementation of topics or even Flagships. However, the RDIC also states that the value added lays in the integration of different topics and crosscutting aspects which goes beyond the scope of one Thematic Working Group.

TOP 6 - ACER – RDIC cooperation

The ENTSO-E Secretariat reviews the RDIC state of play cooperation with ACER on the development of the framework for enhancing innovation uptakes by regulation. The RDIC reviews the work plan around the 4 Tasks proposed by ACER. The RDIC discusses ACER Taxonomy for innovative and advanced transmission network solutions (Task 1) and the follow-up questionnaire on solutions implementation and regulation framework (Task 2);

Decisions:
- The RDIC takes note of ACER initiative to develop a framework for enhancing innovation uptakes by regulation.
- The RDIC approves the proposal to reduce the number of solutions listed in the Taxonomy Task 1 and base the assessment on the solutions indicated in the ENTSO-E RDI Roadmap.
- The RDIC agrees to finalise the Taxonomy Task 1 proposal with further input from Thematic Working Groups agreed in short session by end of September 2020 and revert to ACER afterwards.
- The RDIC agrees with the proposed suggestions for reformulating the questions of Task 2 as provided in the session file of RDIC meeting.

TOP 7 – Smart Grid Indicator

The RDIC WG2 Member who was delegated to be a co-convener of the TSO-DSO Task Force on Smart Grid Indicators presents the state of play development of Smart Grid Indicators. The co-convener introduces the proposed methodology to define KPIs. The RDIC discusses the proposed KPIs & KIs and asks RDIC members to provide their individual feedback to the Task Force after the RDIC meeting. The co-convener discusses the approval process and asks the RDIC to take this responsibility.

Decision:
- The RDIC takes note of the state of play on TF smart grid indicators.
- The RDIC takes of the TF requests of having ENTSO-E Committee approval process for final deliverable and accepts invitation to take a lead. Therefore, the RDIC request the TF to present a final proposal by Q4 to the Steering Group TSO-DSO Interface.

BLOCK 3: WORKING GROUPS

TOP 8 - WG1 Assets and Technologies

The WG1 Convener presents the progress on Working Group's activities on the cooperation with European Space Agency (ESA) pilot selection results and the required support of ENTSO-E Secretariat to WG1 for this activity. The WG1 Convener also presents the ENTSO-E feedback to EU rules for fluorinated greenhouse gases and WG1 initiative to improve and harmonise SF6 reporting. The RDIC discusses the work plan of workstream lead in HVDC/HVAC cables. In addition, the WG1 Convener introduces the developed ENTSO-E Technology Factsheets Mapping Tool and its relationship with SDC TYNDP development process and announces the WG1 leaded e-workshops for 2020.

Decisions:
- The RDIC approves the Technology Factsheets Mapping Tool with the developed content and asks WG1 to make it public in coordination with ENTSO-E S&C section.
- The RDIC supports the WG1 cooperation with ESA on space-based technologies application for smart assets management and invites the leading TSOs to present the selected pilots projects during the next RDIC meeting.

TOP 9 - WG4 Future of energy system

The WG4 Convener presents the progress on Working Group's activities. The Convener introduces the development of ENTSO-E Position Paper on TSOs role in electromobility. The Convener also informs about the planned workshop on Power to Heat sector and asks the RDIC members to enhance the TSOs contribution. The Convener introduces the status of the cross-committee cooperation on the P2G and Sector coupling development.

Decisions proposal:
- The RDIC takes note of the time plan and concept stated in the ToRs for the development of EV Position Paper and endorses the process of hiring a consultant for drafting it (ToR, selection procedures).

Top 10 - WG3 Flexibility and Economics

The WG3 Convener presents the progress on Working Group's status and planned scope on flexibility needs assessment paper. The Convener introduces the WG3 contributions to the main results of the gap analysis on distributed flexibility and provides and update on ENTSO-E Steering Group for TSO-DSO Interface workstreams. The RDIC encourages to address the RDI projects in the gap analysis. Following topic discussion, the RDIC takes note of an upcoming call for interest to join a new Task Force, which will develop recommendations on the assessment of non-wire alternatives as part of grid planning process.

Decisions:
- The RDIC takes note of the ongoing workstreams led by the Steering Group TSO-DSO Interface.

TOP 11 - WG5 Digital & Communication

The ENTSO-E Secretariat presents further progress of WG5 on Working Group's activities on Wide Area Monitoring Systems (WAMS) project. The WG5 Convener introduces the suggestion to launch a similar initiative on Dynamic Line Rating (DLR). The RDIC shares current experiences on DLR implementation and discusses the link with ongoing activities of SDC WG AIM. The RDIC asks WG5 to focus on DLR digital innovation part and align the development with SDC WG AIM. The RDIC asks WG5 to initiate the questionnaire on this topic by considering also a workshop. The ENTSO-E Secretariat presents the status of Hackathon #2 and suggested to move this event to the next year.

Decisions:
- The RDIC takes note of the survey launched by WG5 with the TSOs about data usage from Wide Area Monitoring Systems (WAMS) as a preparation for a pan-EU level project in this topic in cooperation with SOC.
- The RDIC takes note of WG5 proposal for a survey among TSOs on Dynamic Line Rating (DLR) to prepare a Report on DRL status within TSOs.
- The RDIC acknowledges that Hackathon #2 will take place as a digital event in 2021 H2 in reflection of the pandemic situation and the occurring risks.

TOP 12 - WG2 Security and system operation of tomorrow

The WG2 Convener presents the progress on Working Group's activities of Interoperability workstream and the cooperation with external stakeholder in this field as common drafting team as well as ongoing discussions with EC for the funding framework. The WG2 Convener also presents the final results of HVDC CGMES development and asks the RDIC for approval. The WG2 Convener suggests that the further work should be continued in in the framework of CGMES group. The WG2 Convener presents the status and key messages of Grid Forming Capabilities Position Paper, the new workstream on HVDC Reliability and cross-committer work. The WG2 Convener discusses in more details the development of a common Position Paper on Interoperability together with the SDC ODCG and presents the current status of the content of the document.

Decisions:
- The RDIC takes note of the HVDC Interoperability workstream, alignment with WindEurope, T&D Europe and exchange with European Commission and welcomes a common development of workstream proposal including a position paper of Offshore Grid interoperability developed together with the SDC Offshore Development Core Group (ODCG).

- The RDIC takes note on the HVDC CGMES Standard Interface development and approves final deliverables.
- The RDIC takes note of the cross-committee cooperation work with SDC and decides to approve the ENTSO-E Position Paper on "Grid Forming Capabilities: Towards System Level Integration".

BLOCK 4: AoB AND APPROVAL OF DECISIONS

TOP 13 - H2020 calls: Offshore grid and Cybersecurity

The ENTSO-E Secretariat presents the H2020 call on Offshore grid. The ENTSO-E Secretariat presents also the current discussion with EC regarding the Horizon Europe framework set-up for the support of the implementation of Flagship 4. The ENTSO-E Secretariat informs about H2020 call on Cybersecurity and requests feedback from TSOs who participated in various proposals to which some TSOs answered regarding their participation. The RDIC Chair invites the RDIC members to share information about their participation in other project proposals as well as any other planned or under-going TSOs involvement in innovation initiatives and projects.

Decisions:
- The RDIC welcomes the Green Deal Call on offshore wind and grid integration and the initiative of developing a project proposal answering the 2020 Horizon 2020 call.
- The RDIC takes note of the TSOs who confirmed their involvement in project proposals answering the Horizon 2020 on Cybersecurity.

TOP 14: Dissemination & Communication

The ENTSO-E Secretariat presents and initiates the discussion on the agenda of RDIC Webinar for BNI. The RDIC discusses the topics to be presented in relation with WGs activities/deliverables and Flagship projects.

Decisions:
- The RDIC acknowledges the proposed webinars and decides to have an offshore grid webinar in November/December 2020 and electromobility and flexibility webinars in Q1 2021.

BLOCK 5: AoB & APPROVAL OF DECISIONS

TOP 15 - Any other business

The RDIC Chair informs about the Active 2020+ measure on cross-committee work improvement during the next ENTSO-E Board meeting. The RDIC discusses the Global Smart Grid Foundation interest to sign a MOU with ENTSO-E.

Decision:
- The RDIC acknowledges the Global Smart Grids Foundation interest to signing a MOU with ENTSO-E.
- The RDIC decides to discuss first the potential cooperation with WG convenors.

TOPIC 16 - Approval of the decisions

The ENTSO-E Secretariat reviews the draft decisions of the 53nd RDIC meeting.

The RDIC Chair thanks all participants for the fruitful discussion.

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