

69th SYSTEM OPERATION COMMITTEE MEETING: MINUTES

ENTSO-E System Operations Committee Meeting

Date: 16 February 2022

Time: 08:30 – 17:00

Place: Webinar

Participants

APG	Chair
RTE	Vice-Chair
50Hertz	Member
Amprion	Member
APG	Member
AST	Member
CEPS	Member
CEPS	Substitute member
CGES	Substitute member
Elering	Member
ELES	Member
ELIA	Member
EMS	Member
Energinet	Substitute member
ESO-EAD	Substitute member
Eirgrid/Soni	Substitute member
Fingrid	Substitute member

HOPS	Member
IPTO	Member
Litgrid	Member
MAVIR	Member
MEPSO	Member
NOS BiH	Member
OST	Member
PSE	Member
PSE	Substitute member
REE	Member
REE	Substitute member
REN	Member
RTE	Substitute member
Statnett	Member
Svenska Kraftnät	Member
TERNA	Member
Transelectrica	Member
Transnet BW	Member
TenneT TSO B.V.	Member
TenneT TSO GmbH	Represented by TenneT B.V.
Swissgrid	Member
VUEN	Guest
CEPS	EAS Core Team Convener
Statnett	Convener of the Common Information Model Expert Group
TenneT	Project Manager (for ACER list of data)

TERNA	Communication Network Core Team Convener
TERNA	Project Manager Drafting Committee of the Network Code on Cybersecurity
50Hertz	StG Regional Coordination Convener
ČEPS	StG Strategy Convener
RTE	StG Operations Convener
Swissgrid	StG Operational Framework Convener
Amprion	StG System Resilience Co-convener
TenneT	StG System Resilience Co-convener
CORESO RSC	Invited
Nordic RSC	Invited
Selene CC RSC	Invited
TSCNET RSC	Invited
ENTSO-E Secretariat	Organizer

Minutes

1. Attendance, Quorum & Approval of the Agenda

The SOC Chair welcomes participants to the 69th System Operations Committee meeting which takes place as a webinar.

DECISIONS

- The SOC Chair notes that the meeting is quorate
- The SOC Chair notes that the Agenda is approved

2. Updates from Board and General Assembly

The SOC Chair and Vice Chair update the Committee on latest news from the General Assembly, the Board, the Steering Group Transmission and Distribution Interface and the Active 2020+ programme.

The Regional Group Continental Europe (RG CE) Convener updates the Committee regarding the status and next steps of the Synchronisation project of Ukraine and Moldova with Continental Europe.

3. SOC Organisation and Budget

SOC Members receive updates on organisational aspects, on follow up steps from the 2021 SOC survey results and on the 2021 end of year budget status. The approved by Assembly 2022 budget is presented.

4. Steering Group Operations

The StG Operations convener updates the Committee on the developments of the Subgroup Inter-synchronous Area (SG ISA) and in particular the work on ramping of HVDC between synchronous areas.

In addition, the convener reports about the development and implementation of the ENTSO-E Report Creator (ENTREC) tool which will support (at a first stage) the data collection and report creation of the two ENTSO-E annual monitoring reports – the Incident Classification Scale (ICS) and the Annual Load Frequency Control (ALFC). After the successful delivery of all the defined objectives, the relevant project is now finalised.

Finally, the Terms of Reference for the Year Ahead Scenarios Task Force is presented according to which the relevant mandated annual report for the 2023 scenarios will be created and published by 15 July, as of SO GL Art. 65.

DECISIONS

Closure of the development of the ENTSO-E Report Creator (ENTREC) Tool Project

- SOC approves the closure of the ENTSO-E Report Creator (ENTREC) Tool Project after its successful implementation.

Approval of Terms of Reference of Year Ahead Scenarios for 2023 Task Force

- SOC approves the Terms of Reference of the Year Ahead Scenarios for 2023 Task Force.

5. Steering Group Operational Framework

The StG Operational Framework (OF) convener commences the discussion with the successful appointment of the Common Grid Model Methodologies (CGMM) convener for a period of two years from 01 March 2022 to 01 March 2024. The mandate of the previous CGMM Convener officially ceased on 01 December 2021.

The convener continues the resourcing topic, highlighting the need for a permanent Working Group Operational Framework Monitoring & Evaluation (WG OME) convener.

Following that, the convener presents the status of Article 37(1)(g) of Regulation (EU) 2019/943, which requires ENTSO-E to develop a proposal for the Regional Coordination Centres (RCCs)¹ task, namely the “training and certification of staff working for regional coordination centres”. On 30 September 2020, SOC approved a project to develop this proposal. The project first developed high-level principles and then, after alignment with ACER, a draft proposal which was shared for public consultation. There were no comments in the public consultation and overall, only minor editorial changes have been implemented in the final draft of the proposal. The convener presents the update for final SOC approval before submission to ACER.

The StG OF convener continues with a decision proposal on Probabilistic Risk Assessment (PRA) requirements.² SOC approval is requested to commence a consistent PRA data reporting for TSOs, which will be a collaboration between the EDFs (ENTSO-E disturbance and Faults Statistics) project and WG PRA. Its purpose is to facilitate consistent data quality and reporting across TSOs for disturbances, faults, outages and interruptions data. The data collection and reporting processes establishes a path for all TSOs to jointly develop a PRA methodology by 2027.

Lastly, the convener outlines the topic of sharing CGM data with ACER within the ENTSO-E-ACER data sharing framework agreement, pursuant to CACM Article 82(4). To share the requested data, there are several steps to ensure the security of the data, which includes the execution of an NDA. The NDA’s purpose is to allow the sharing of the relevant parts of the Minimum Viable Solution agreement’s security plan with ACER’s security experts in order to specify proportional data handling terms.

DECISIONS

Election of Common Grid Model Methodologies convener

- SOC approves the candidate(s) nominated for the position of the Common Grid Model Methodologies convener for a two-year mandate starting from 01 March 2022 and 01 March 2024.

Approval of the RCC Training and Certification proposal (Art.37(1)(g)) for submission to ACER

- SOC approves the final proposal on “Regional Coordination Centers Training and Certification” (Article 37(1)(g) of Regulation (EU) 943/2019) for submission to ACER

PRA/EDFS data reporting

- SOC approves the commencement of the mandatory reporting of aggregated disturbances, faults, outages and interruptions data from 2021 to ENTSO-E’s WG Probabilistic Risk Assessment/ENTSO-E Disturbance and Faults Statistics team.

ACER list of data – Agreement to share CGM data – security considerations

¹ The naming RSCs is derived from the SOGL definition. The RSCs located in EU countries will change to RCCs according to Art.35 of Regulation (EU) 2019/943. As SCC is placed in a non-EU country, it will remain an RSC. For simplicity however, this document will use the term RCC throughout and it shall be considered that this encompasses SCC as an RSC as well.

² Pursuant to Article 44(5) of the methodology for coordinating operational security analysis (CSAM).

- Subject to the execution of a Non-Disclosure Agreement (NDA), SOC approves sharing the relevant requirements of the Minimum Viable Solution (MVS) Agreement's security plan for the protection of OPDE Data with ACER's security experts.
- SOC approves the draft NDA and acknowledges that the draft NDA may be subject to change following discussions with ACER or adjustments that are agreed by the LRG experts.

6. Steering Group Strategy

The StG Strategy convener updates SOC regarding the RCC task according to the Art. 37(1)(h) of Regulation 2019/943.

On StG's structure matters, SOC is informed that StG Strategy and Working Group Clean Energy Package (WG CEP) would like to update the Terms of Reference of the WG CEP to avoid overlaps with the activities of other SOC Steering Groups. The update will change the scope of the WG, focused now more on overall advocacy on System Operation topics in future legislation. Until the changes are effectively in place (expected June 2022), the current convener will remain on board.

The convener finishes the reporting with the updates on the RCC task on Sizing and Procurement according to Art. 37(1)(j), highlighting the postponement of the submission of the respective methodology.

DECISIONS

Approval of the extension of WG CEP convener mandate

- SOC approves the extension of the mandate of the current convener of WG CEP by four months until June 2022

Approval of the way forward on RCC Sizing Task

- SOC approves the postponement of the submission of the Sizing proposal as suggested by ACER.

7. Steering Group Regional Coordination

The StG Regional Coordination (ReC) convener presents to SOC the Terms of References of the new proposed Task Teams (TT) – the Coordinated Security Analysis (CSA) and Capacity Calculation (CC) TT and the Short-Term Adequacy (STA) and Outage Planning Coordination (OPC) TT. Both task teams will support the regional coordination needs of the respective core tasks of the RCC.

On the OPC and STA topic, SOC is also informed about the revision of the Security Plan for the respective Pan-European tools. In 2021, SOC approved the creation of a dedicated OPC and STA Security Task Force for the revision of the OPC and STA Security Plan and compliance/alignment with ENTSO-E Generic Security Plan light version with the objective to submit for approval the revised Security Plan by early 2022.

The StG ReC convener continues with presenting the updated STA methodology which incorporates considerations of flow-based capacities. With the extension of the Cross-Regional (CR) STA Process (after go-live) to handle day-ahead Net Transfer Capacities (NTCs) for D-1 timeframe, the need for consideration of flow-based (FB) capacities has become more visible since a day-ahead FB capacity calculation process is already in place for some borders in Europe. This need will become more imminent as more borders are switching to FB in day-ahead timeframe. Furthermore, it is also expected that FB will be progressively adopted in Europe for long-term timeframes (i.e. horizons beyond day-ahead which are the main inputs for STA).

In the updated Coordinated Week Ahead Adequacy Assessment Methodology (STA methodology) both NTCs and FB parameters (resulting from the capacity calculation processes throughout continental Europe) will be considered as constraints to the exchanges in the CR STA for borders where NTC-based allocation and FB-based allocation are in place, respectively.

The methodology will contribute to the improvement of CR STA results. An implementation plan and any other relevant assessment will be prepared and submitted to SOC at a later stage.

The StG ReC Convenor outlines the CGM OPDE Operations and Readiness Report. StG ReC reporting concludes with the successful appointment of the convener of the CGM OPDE TT.

DECISIONS

Approval of the CSA CC TT ToR

- SOC approves the Terms of Reference for the Coordinated Security Analysis and Capacity Calculation Task Team (CSA CC TT) to be formally established under the Steering Group Regional Coordination.

Approval of the STA OPC TT ToR

- SOC approves the Terms of Reference for the Short-Term Adequacy and Outage Planning Coordination Task Team (STA OPC TT) to be formally established under the Steering Group Regional Coordination.
- SOC acknowledges that the conveners and members from the STA OPC structure under the RSC Project will transition into the new STA OPC TT to ensure efficiency and continuity.

Approval of the revision of the Security Plan for OPC and STA Pan European tools

- Based on the recommendation of Steering Group Regional Coordination and Steering Group IT & Tools, SOC approves the updated Security Plan for OPC and STA Pan European Tools, version 2.0, under the conditions described in the cover note.

Approval of STA methodology incorporating consideration of flow-based capacities

- SOC approves the Coordinated Week Ahead Adequacy Assessment Methodology v.1.7.5 which incorporates flow-based capacities.

Approval of the CGM OPDE Task Team Convener

- SOC approves the proposed candidate nominated for the position of CGM OPDE Task Team Convener for a two-year mandate.

8. Steering Group IT&Tools

The StG ITT commences the reporting to SOC with work from the Common Information Model Expert Group (CIM EG). The EG in collaboration with RSCs and TSOs business experts has agreed on the second version of the Coordinated Security Analysis (CSA) data exchange specification.

The aim of the CSA data exchange specification is to give the basis for interoperability and harmonization of the data exchanges for CSA based on IEC 61970 and compatible with CGMES. The v.1 of the CSA data exchange specification was mostly covering the Inter-RSC business requirements.

The v.2 of the CSA data exchange specification is additionally covering part of the RSC business requirements and CSAm amendment. Existing network code profiles (Assessed Element, Contingency, Remedial Action (including SIPS), Remedial Action schedule, Security Analysis Result, Impact Assessment Matrix, Metadata and Header) were updated with additional requirements or minor fixes.

Next, StG ITT addresses the participation of TEIAS to ENTSO-E Awareness System (EAS), in the context of future migration of EAS from Electronic Highway (EH) to Physical Communication Network (PCN) which requires TEIAS access to the CN Services and adherence to the CN MLA. In order to initiate the adherence process, it is necessary to share CN MLA related documentation with TEIAS. According to the relevant processes SOC, acting as the CN MLA Steering Committee, is requested to allow ENTSO-E to share with TEIAS the CN MLA documents which are necessary to negotiate TEIAS adherence to the CN MLA as an External User, subject to the prior signature of a NDA between ENTSO-E and TEIAS.

Continuing on the EAS topic, the convener of Core Team EAS (CT EAS), presents the amendment to EAS Data Exchange and Delivery Agreement (EAS DEDA) that has been drafted by ENTSO-E secretariat in cooperation with CT EAS to incorporate EAS Security Plan as an Annex to this agreement.

Furthermore, following the Brexit and in the context of NG ESO resignation from ENTSO-E, NG ESO remains a party to the EAS DEDA. Given that NG ESO is no longer an ENTSO-E member, some adjustments are made to the EAS DEDA. A dedicated annex clarifying relevant aspects of NG ESO participation to the EAS has been prepared for insertion in the EAS DEDA.

DECISIONS

Approval of CSA data exchange specifications v2.0

- SOC approves the CSA data exchange specification v2.0 to be published on ENTSO-E website
- SOC approves the following profile specification to be published on ENTSO-E website:
 - o Assessed Element Profile Specification v2.0;
 - o Availability Plan Profile Specification v1.0;
 - o Contingency Profile Specification v2.0;
 - o CSA Data Exchange Specification v2.0;
 - o Equipment Reliability Profile Specification v1.0;
 - o GLSK Profile Specification v1.0;
 - o Impact Assessment Matrix Profile Specification v2.0;
 - o Metadata And Header Data Exchange Specification v2.0;
 - o Remedial Action Profile Specification v2.0;
 - o Remedial Action Schedule Profile Specification v2.0;
 - o Security Analysis Results Profile Specification v2.0;
 - o Steady State Instruction Profile Specification v1.0;

Approval for signature of NDA with TEIAS for CN MLA

- SOC acting as the CN MLA Steering Committee approves ENTSO-E Secretariat to sign an NDA with TEIAS in order to share the necessary CN MLA documents, as identified by the CN CT, in order to negotiate TEIAS adherence to the CN MLA as External User.

Approval of the Security Plan for EAS and associated DEDA amendment 3

- SOC approves the EAS Security Plan V 1.0 and the associated EAS DEDA – Amendment 3, under the conditions described in the cover note.

Approval of EAS DEDA Amendment regarding NG ESO

- SOC approves the content of Annex 10 to the EAS Data Exchange and Delivery Agreement (DEDA) entitled “Provisions regarding National Grid Electricity System Operator (NG ESO)”.

9. Steering Group System Resilience

The StG System Resilience convener updates SOC on the results of the recent call for Working Group Risk Preparedness convener.

The reporting concludes with presenting the extended scope of the Network Code Cyber Security (NC CS) project PID to cover additional tasks in 2022, also with regard to timely preparations for the implementation process that will start in 2023.

ENTSO-E and the EU DSO entity delivered the NC CS to ACER on 14 January 2022 for their formal review by July 2022. After ACER's review of the NC CS, the EC will initiate the NC CS adoption process, which is expected to finalize in six months, so in 2023 the NC CS will enter into force. Both ACER and the EC invited ENTSO-E and the EU DSO entity to provide expert support during the review and final approval process of the NC CS.

DECISIONS

Approval of Working Group Risk Preparedness Convener

- SOC approves the candidate nominated for the position of Working Group Risk Preparedness Convener, from EirGrid and SONI, for a two-year mandate starting on 16th of February 2022.

Approval of Network Code on Cybersecurity PID v.2

- SOC approves version 2 of the Network Code on Cybersecurity PID that covers the additional scope of work for 2022.
- SOC thanks the project manager of the Network Code on Cybersecurity project for all the commitment and strong leadership he offered during the drafting phase.

10. Approval of Minutes for Publication

DECISIONS

- SOC approves the Minutes of the 69th SOC meeting for publication.