

# 19<sup>th</sup> ENTSO-E Information & Communication Technologies Committee Meeting

Date: Thursday, 20 March 2025

Time: 09:00 - 15:00 (CET)

Place: NOSBiH premises and Online MS Teams

From: Secretariat

Date: 20 March 2025

## LIST OF PARTICIPANTS

TSO	Role
50Hertz	Member
Amprion	Member
APG	Member
AST	Member
ČEPS	Member
CGES	Member
Cyprus-TSO	Member
Eirgrid	Substitute
Elia	Member
Energinet	Member
ESO	Member
Fingrid	Substitute
HOPS	Substitute
IPTO	Member
JSC EMS	Member
Litgrid	Substitute
MAVIR	Substitute
NOSBiH	Member
PSE	Member
REE	Member
RTE	Substitute
SEPS	Member
Statnett	Member
Svenska Kraftnät	Member
TenneT TSO B.V	Member
TenneT TSO GmbH	Member
TERNA	Member
TransnetBW	Substitute
Ukrenergo	Substitute

1. **Welcome and Introduction**
  - a. ICTC Chair opening note

Radek Hartman, ICTC chair, opens the meeting.

- b. Attendance verification & agenda approval

#### For Decision

The ICTC:

- **Notes** that the ICTC meeting no. 19 is quorate.
- **Approves** the agenda of the ICTC meeting no. 19.

#### INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

- N/A.

2. **ICTC Chair Updates**
  - a. Board Meeting reporting

The ICTC Chair announces the Board's initiative to establish a new Board Group that includes a dedicated Task Force on Security. This Task Force requires the involvement of both the SOC and ICTC to ensure effective collaboration and alignment with security objectives.

- b. Update on call for Chair

The ICTC Chair reports that his mandate ends in June, and the procedure to elect the new ICTC Chair will take place during the Assembly meeting of 26 March 2025. The name of the newly elected Chair is expected to be available afterward. The ICTC Chair also informs that the candidate who has come forward is the PSE Member, Grzegorz Bojar.

#### For Information

The ICTC:

- **Takes note** of the ICTC Chair Updates.

#### INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

- ✓ N/A

### 3. Update on IBP/ IT Council

ICTC Chair presents the timeline for the initial budget proposal, resource planning, annual work programme, and IT Council. An ICTC workshop is scheduled for the second half of April to provide members with further details on the budget and review.

## For Information

The ICTC:

- **Takes note** of the Budget, AWP & IT Council Timeline.

## INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A

### 4. ENTSO-E ICT Strategy – Implementation plan status

#### a. Context

The StG ICT Conveners provide an update on developments since the last ICTC meeting held on 13 February 2025. As a reminder, the focus remains on establishing priorities.

#### b. Reporting from Cross StGs Task Force

StG ICT Strategy Convener ad interim presents the High-Level plan of work defined by the Cross StGs Task Force.

TenneT NL ICTC member asks about the availability of a comprehensive plan to address the question: "Where do we stand with the ENTSO-E ICT Implementation Plan?"

EA WG Convener emphasizes the importance of ensuring consistency between initiatives.

Energinet ICTC member also expresses the need for further discussions at the ICTC level regarding the practical delivery of the ICT Implementation Plan.

PSE ICTC member highlights concern about potential resource shortages.

The ICTC Chair suggests listing the top 10 prioritized IT initiatives out of the total 36 initiatives and requests the ICTC to confirm this prioritization.

## For Decision

The ICTC:

- **Takes note** of the progress of the ENTSO-E ICT Strategy implementation plan.
- **Requests** cross STG Task Force to follow the implementing actions agreed during the meeting and listed below.

## INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

Requests cross StG Task Force to follow the below implementing actions:

1. Prepare a list stating the top 10 priority Initiatives proposed
2. Describe deliverables per priority initiative including benefits / value expected (goals, KPI)
3. Indicate means of implementation (project, task force, activity etc.) including responsibilities

4. Indicate resources needed for the above activities, risks, dependencies, including target timing (estimations)
5. Workshop (by end of April 2025) on the above mentioned to endorse and agree on next steps

## 5. ICTC Improvements

### a. Follow-up

The ICTC Chair presents the improvement actions undertaken and reminds members to use the continuous improvements Excel file to propose new suggestions for further enhancements.

#### For Information

The ICTC:

- **Takes note** of the ICTC Improvements follow up.

#### INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A

## 6. ICTC Knowledge Sharing

### a. Survey on preferred topic of next Knowledge Sharing session.

Terna ICTC member provides an update on the survey regarding the preferred topic for the next Knowledge Sharing session.

PSE ICTC member welcomes the idea of allowing more time for voting and highlights that Knowledge Sharing is a valuable initiative that should also be leveraged to encourage greater contributions to ICTC bodies. He emphasizes the importance of improving communication around these initiatives.

Energinet ICTC member underscores that Knowledge Sharing is crucial to the work of ICTC.

StG ICT Strategy Convener ad interim reminds members that the ENTSO-E ICT Strategy implementation plan includes three initiatives linked to Knowledge Sharing activities.

The ICTC Chair suggests organizing Knowledge Sharing sessions as standalone activities throughout the year, rather than always aligning them with ICTC meeting dates. He also proposes holding a full-day conference once a year dedicated to Knowledge Sharing and emphasizes the importance of strengthening collaboration with RDIC.

## For Information

The ICTC:

- **Takes note** Takes note of the ICTC Knowledge Sharing Updates.

## INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

- ✓ Secretariat to launch the survey on the future knowledge sharing topics and improvement suggestions.

## 7. Updates from the Steering Group ICT Strategy

- a. Updates from CIM WG – Documents for Approval

As part of the ICTC simplified decisions, the below topics are not presented. All details can be found in the cover notes included in the session file.

- Regional Group for Continental Europe Schedule reporting process Implementation Guide v2.2.1
- Capacity Management Module Implementation v1.3
- Energy Balancing List of Data implementation on the Transparency Platform – Implementation Guide v1.0
- Network Code Profiles Common and Reference Data release 1.0.
- Publication of open-source software: CimConteXtor v3.2.5 & CimSyntaxGen v4.0.15 and associated legal assessments.
- Harmonised Electricity Market Role Model (HEMRMv2025-01)-GitHub frameworks documents, website disclaimer, Intellectual Property Right transfer clause for RCCs and associated legal assessments.

Energinet ICTC Member suggests covering CIM topics in future knowledge sharing sessions, as it is crucial for the entire business and has an economic impact on the roadmaps of local TSOs.

## For Decision

The ICTC:

- **Approves** the publication of the Regional Group for Continental Europe Schedule reporting process Implementation Guide v2.2.1.
- **Approves** the publication of the Capacity Management Module Implementation v1.3

- **Approves** the publication of the Energy Balancing List of Data implementation on the Transparency Platform – Implementation Guide v1.0.
- **Approves** the publication of the Network Code Profiles Common Data release 1.0.
- **Approves** the publication of the Network Code Profiles Reference Data release 1.0.
- **Approves** the publication of the Harmonised Electricity Market Role Model (HEMRMv2025-01).
- **Approves** the publication GitHub Framework documents
- **Approves** the publication of the open-source software CimConteXtor v3.2.5 & CimSyntaxGen v4.0.15 on ENTSO-E website and ENTSO-E GitHub.

#### INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A

#### a. Updates from DIA WG

- Implementing Regulation on Demand Response (IR DR) updates

Olivier Aine, from ENTSO-E Secretariat, provides an update and reminds ICTC members that a webinar was held on 10th March, with the slides and recording available here: [Information & Communication Technology Committee - Internal consultation on Implementing Regulation on Demand Response - All Documents](#)

He specifies that the call to action is to gather inputs from TSOs by connecting with the Market Committee, colleagues, and teams. He also clarifies that the working group DIA, along with the Steering Group and ICT Strategy, is responsible for leading this initiative.

The ICTC Chair suggests creating standards for a Reference Architecture for Data Management, similar to what was done with the Hosting Strategy document, which could provide long-term support.

#### For Information

The ICTC:

- **Takes note** of the updates for the Implementing Regulation on Demand Response.

#### INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A

#### b. Updates from EA WG

- OPDE Architecture

Erik Wolfs, EA WG Convener, presents the OPDE Architecture Assessment and Proposal for Way Forward.

The OPDE project started in 2015 and is being re-evaluated after 9 years. CORE regulators are closely monitoring the progress of the CGM action plan. Three scenarios are proposed for the future: maintaining the current architecture (Scenario 1), centralizing validations (Scenario 2), or adopting cloud technologies like S3 to simplify and standardize processes (Scenario 3), with the latter being considered the most promising.

Energinet and PSE ICTC Members express concerns regarding the costs and complexity of the project, particularly regarding the costs and budget for the TSOs. The next steps include setting up a testing environment, issuing a tender, and implementing the solution over two years.

ICTC Chair emphasizes the involvement of TSOs in the working groups, while EA WG Convener suggests standardizing the APIs to avoid vendor lock-in issues.

#### For Information

The ICTC:

- **Acknowledges** the OPDE Architecture Assessment and Proposal for Way Forward.

#### INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

ICTC:

- ✓ Requests the CGM Workstream 5 leader to include in the Business Case: a Cost-Benefit Analysis, a Total Cost of Ownership assessment for ENTSO-E and TSO implementation (including an example for a given TSO), as well as the solution design and business plan.
- ✓ Requests the EA WG convener to provide the Proof of Concept results related to the technologies mentioned in option 3.

### 8. Updates from the Steering Group ICT Security

#### a. StG ICT Security – Updates

#### For Information

The ICTC:

- **Takes note** Takes note of StG ICT Security updates.

#### INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

- ✓ N/A

#### b. NCCS

- Updates

### For Information

The ICTC:

- **Takes note** of NCCS Updates.

INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A

- Provisional list of European standards and controls

### For Information

The ICTC:

- **Takes note** of the NCCS Provisional list of standards and controls.

INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A

- Feedback to ACER Operational Reliability Performance Indicators

### For Information

The ICTC:

- **Takes note** of ACER Operational Reliability Performance Indicators Updates.

INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A

## 9. Updates from the Steering Group ICT Delivery

a. SD ICT Solutions

- PID for Boundary Data Management

### For Decision

The ICTC:

- **Approves** the kick-off of the implementation phase as described in the BDMA PID.

INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

The ICTC:

- ✓ The project manager to finetune the budget and resources need.

- ✓ The project manager to prepare the procurement process.
- ✓ To have the required endorsement for the related BRS – by SD and SO representatives.

b. CN CT

- CN Framework Documents Amendment

**For Decision**

The ICTC, acting as the CN MLA Steering Committee:

- **Approves** the "42 - CN Technical Reference Manual Annex 2 – Service Database V7.0".

**INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER**

The ICTC:

- ✓ Instructs CN CT to progress with the connection of Baltic RCC and TSOs (AST, Elering, Litgrid) to the VP CN service.

- Amprion central firewall cost recovery

**For Decision**

The ICTC, acting as the CN MLA Steering Committee:

- **Approves** the full cost recovery of Amprion through the CN MLA budget for the Swissgrid CSC central in the year the actual purchase takes place (planned in 2025).

**INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER**

The ICTC instructs CN CT to update the CN MLA budget as below:

- ✓ include the total amount for this purchase within 2025 CN MLA budget;
- ✓ update the reimbursement period from 5 to 1 year (2025).
- ✓ the full cost recovery of Amprion through the CN MLA budget for the Swissgrid CSC central firewalls mentioned in the above decision amounts to EUR 100.000 excl. VAT

- Common IT Services MLA TOM - Governance structure

**For Decision**

**The ICTC:**

- **Approves** the presented key strategic and governance principles of the Common IT Services target operating model.

**INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER**

The ICTC:

- ✓ The project to detail the TOM based on the approved principles

c. EAS CT

- Endorsement of start of RFP for WAP
- Elia Group / 50 Hertz want to provide a formal request. From a strategic point of view, they would propose to evaluate if there is a need for (close to) real-time data integration and analysis for the new modular EAS NextGen. Could this address additional patterns and new challenges for grid operators?
- 

**For Decision**

The ICTC:

- **Approves** the start of the RFP for the WAMS Ex-Post Analysis Platform (WAP) based on the following documents:
  - [Procurement Strategy for WAP](#) – including list of vendors to be contacted for RFP
  - [RFP Brief](#)
  - [Evaluation card](#): including Evaluation Criteria & requirements from TSDs

**INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER**

The ICTC requests:

- ✓ WAP project team to proceed with the launch of the RFP.

- EAS NextGen: Hosting Entity selection

Amprion ICTC member, representing the Swissgrid member via proxy, abstain from the decision on behalf of Amprion and Swissgrid.

**For Decision**

Based on the STG ICT Delivery's endorsement, the ICTC:

- **Approves** the selection of TSO1 and TSO2 to act as hosting entities of NextGen EAS and related applications;
- **Approves** the approach of hosting all EAS related applications under a single contract, acknowledging the balance between high availability for critical services and cost-efficiency, easier maintenance and optimized resource usage for less critical applications;
- **Acknowledges** the interest from the TSO3 to participate in eventual future tender processes to provide hosting services for ENTSO-E.

**INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER**

ICTC:

- ✓ Approves the selection of Amprion (TSO1) and Swissgrid (TSO2) to act as hosting entities of NextGen EAS and related applications;
- ✓ Acknowledges the interest from APG (TSO3) to participate in eventual future tender process to provide hosting services for ENTSO-E.
- ✓ ICTC requests:
- ✓ Upon successful commercial discussions to continue the preparation of awarding a contract to Amprion and Swissgrid
- ✓ ENTSO-E Secretariat to finalize a standalone Service Level Agreement (SLA) with Amprion and Swissgrid for the NextGen EAS hosting services.
- ✓ Amprion and Swissgrid to provide a cost estimation based on discussions on infrastructure requirements with candidate software vendors for ICTC approval of the proposed budget for Hosting

d. VP/S CT

- Shared Infrastructure Hosting Model

Due to time constraints, the topic is skipped. The decision will be taken via ICTC Written Voting in the following days.

**For Decision**

The ICTC:

- **Agrees** to postpone the decision and move it to a Written voting approval

**INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER**

- ✓ ENTSO-E Secretariat to launch the written voting on 21/03/2025

e. CPR

- CPR/MEC Tool Contract Expiration

Due to time constraints, the topic is skipped. The decision will be taken via ICTC Written Voting in the following days.

**For Information**

The ICTC

- ✓ **Agrees** to postpone the decision and move it to a Written voting approval

**INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER**

- ✓ ENTSO-E Secretariat to launch the written voting on 21/03/2025

## 10. AOB & ICTC Meeting Closing

### a. Next meetings and logistics & Closing Note

#### For Information

The ICTC:

- **Closes** the ICTC Meeting no. 19.

INTERNAL IMPLEMENTING ACTIONS FOR THE DECISIONS AND ACTION TRACKER

✓ N/A