

ENTSO-E Annual Work Programme 2023

Public Webinar on 27 July 2022

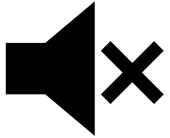


Organisational details



Webinar planning: 1.5 hours

Interactive (Q&A + MS Teams Polls in the Chat)



**All participants must stay muted when not speaking
Speak only when given the floor by the moderator**



Recording/streaming is needed to ensure transparency. If you anyone objects, please do so now.



**All the questions and comments in the MS Teams will be addressed preferably during the webinar.
If questions remain open, they can be addressed offline bilaterally.**



**During the Q&A the participants can raise the hand to ask a question / make a comment
The moderator will give you the floor**

Agenda

Topic	Lead	Time
1. Welcoming participants/ Introduction/AWP Poll	<i>Pilar Muñoz-Elena</i>	15:30 – 15:35
2. Presentations per section: <ul style="list-style-type: none">• <i>System Operations</i>• <i>Market</i>• <i>System Development</i>• <i>Transparency Regulation</i>• <i>Research, Development and Innovations</i>• <i>Cooperation on the Transmission & Distribution Interface</i>• <i>Cybersecurity</i>• <i>Monitoring activities</i>• <i>NC Amendments</i>	<i>Victor Charbonnier/ Elma Leto</i> <i>Marta Mendoza</i> <i>Alban Joyeau</i> <i>Nicoletta Michael</i> <i>Marco Foresti</i> <i>Victor Charbonnier</i> <i>Daiga Dege</i> <i>Thilo Kirchinger</i> <i>Adrian González</i>	15:35 – 16:40 (7' per section)
3. Poll and Q&A		16.40-17.00

AWP 2023: Introduction

ENTSO-E Annual Work Programme 2023 open for public consultation until 15 August 2022



Overview

- ENTSO-E publishes every year an Annual Work Programme as required under REGULATION (EU) 2019/943 on the internal market for electricity.
- Focuses on the legally mandated tasks given to Transmission System Operators (TSOs) and the European Network of TSOs (ENTSO-E) directly by European Union (EU) Regulations, Directives and Network Codes and Guidelines as well as the related terms and conditions or methodologies.
- This Annual Work Programme is also in line with the European Commission's [priority list](#) for the development of network codes and guidelines for the period from 2020 to 2023.



Why your views matter

- The elaboration of the [Annual Work Programme - 2023](#) and its successful implementation - hinges on the input provided by our stakeholders.
- Your comments are a precious input to us in order to improve the draft presented to you in this public consultation.
- Comments will be addressed, and the Annual Work Programme team will provide a feedback to those who provided comments.



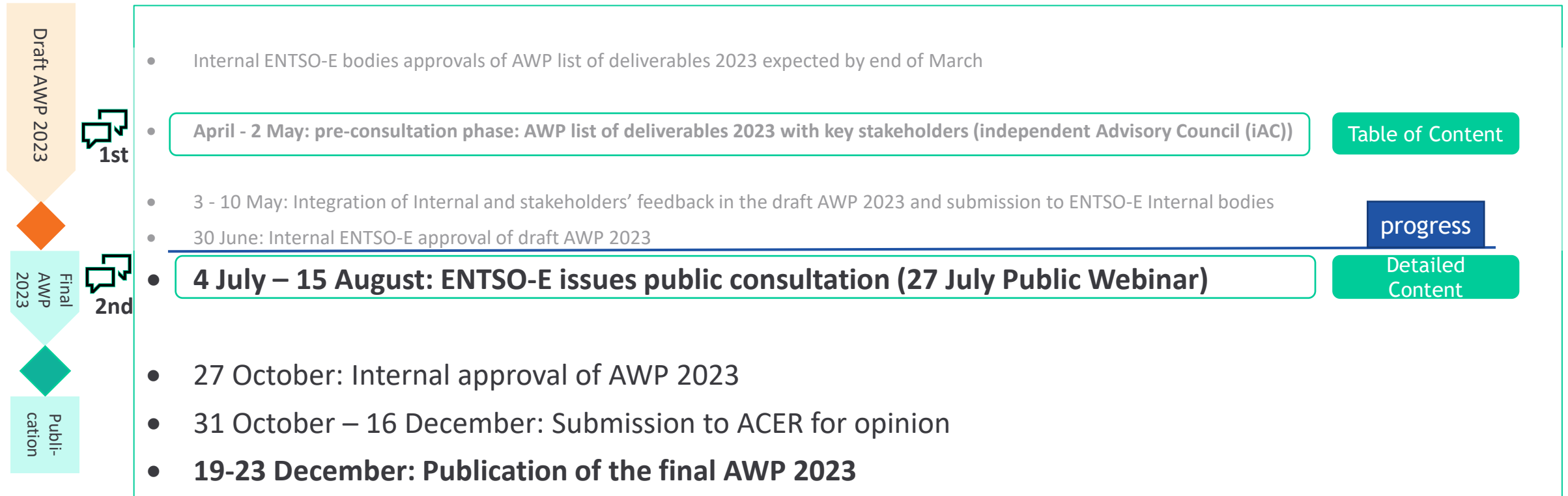
Public consultation open on ENTSO-E's consultation hub until 15 August 2022

<https://consultations.entsoe.eu/>

Timeline AWP 2023 consultation processes

AWP 2023 preparation foresees a two-phased Stakeholder consultation approach

Timeline AWP 2023 review, consultation and approval processes:



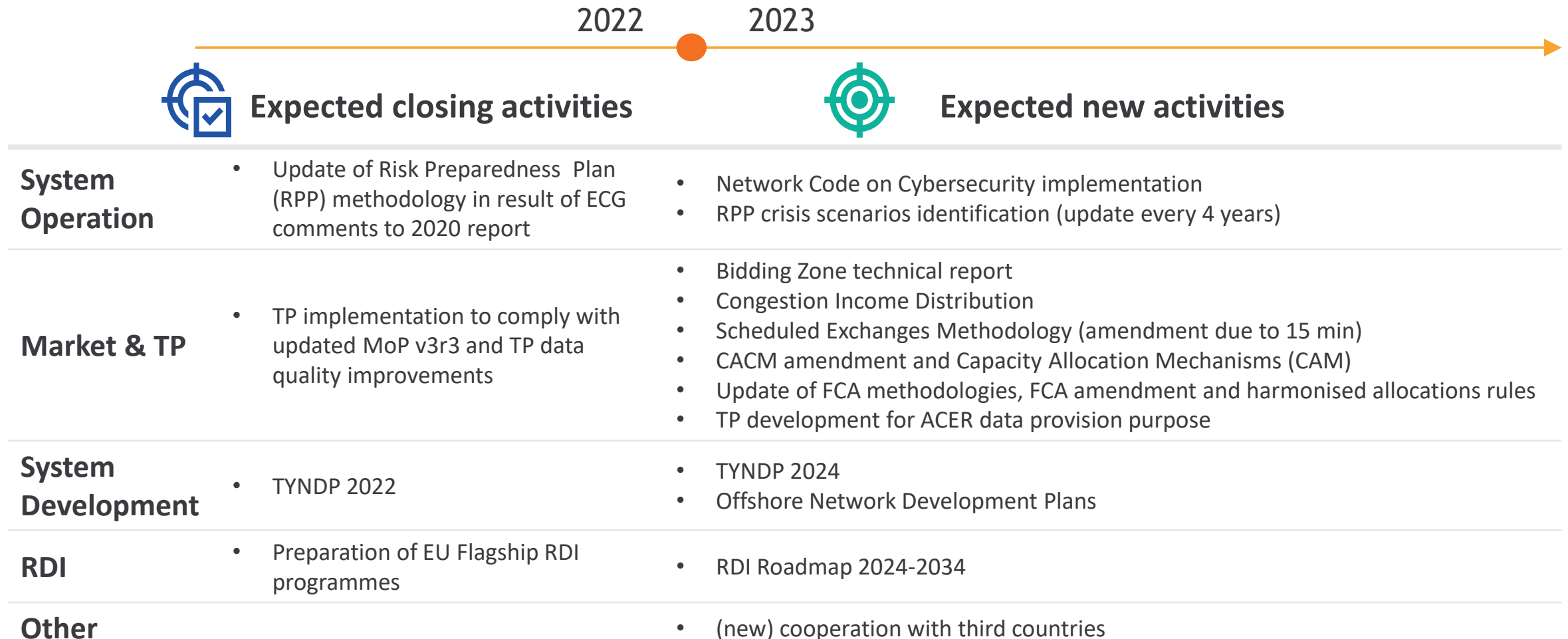
Poll 1

What would you like ENTSO-E to accomplish?



AWP 2023: Looking for Changes vs. AWP 2022

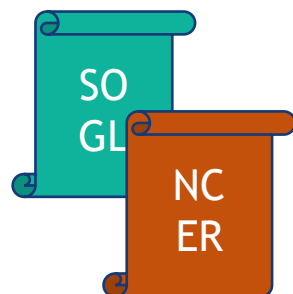
Changes to AWP 2022 are mainly driven by implementation progress, legislative requirements and developments



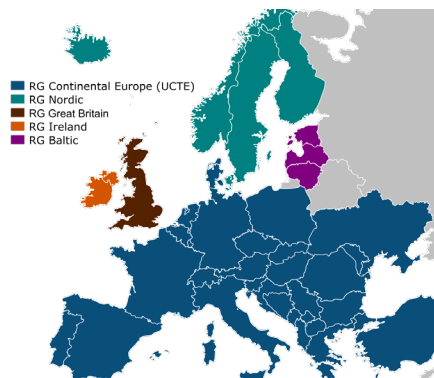


Highlights of AWP 2023

System operation guidelines (SO GL) and Network code emergency & restoration (NC ER)

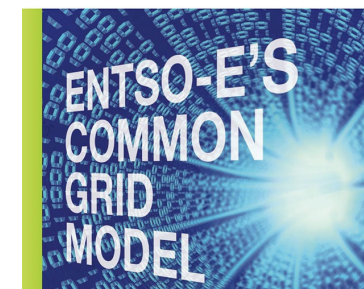


Activities of synchronous areas (SA) and regional groups, cooperation with third country TSOs

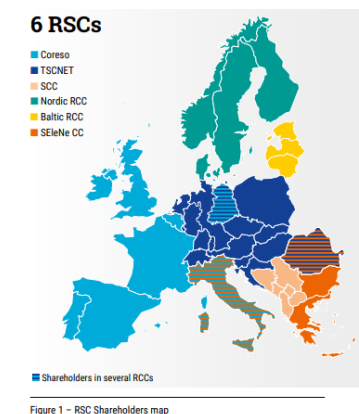


Common grid model (CGM)

WHERE THE DIGITAL TRANSFORMATION
OF THE EUROPEAN ELECTRICITY
SYSTEM STARTS:



Regional coordination centers (RCC)



AWP 2023 – Market highlights



Highlights of AWP 2023

Capacity Allocation and Congestion Management Guideline (CACM):

- ✓ Ongoing implementation of methodologies
- ✓ Regular amendment of methodologies
- ✓ Regulatory impact of CACM amendments on old and new methodologies to develop

Forward Capacity Allocation Guideline (FCA):

- ✓ Long-Term Flow-Based Allocation implementation (CORE and Nordic)
- ✓ Revision of harmonized Allocation rules
- ✓ FCA amendments (To be defined)

Electricity Balancing Guideline (EB GL):

- ✓ Ongoing implementation of methodologies
- ✓ Drafting the all TSOs and ENTSO-E methodologies
- ✓ Implementation and operation of the European balancing platforms

All TSOs Tasks

Algorithm
Intraday Auctions
Capacity Calculation Regions
Congestion income distribution
Bidding Zone review

SAP, CID and Cost sharing
Harmonized Allocation rules

CZCA Harmonisation
Access to the balancing platforms
Capacity Management Module



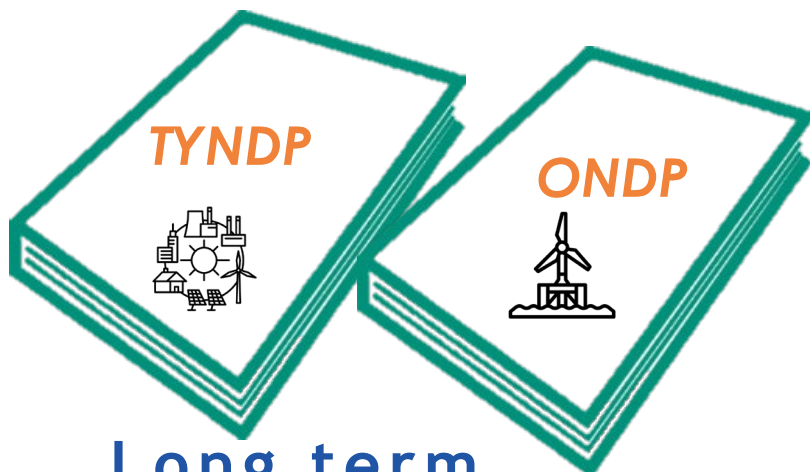
Highlights of AWP 2023



**Ten Year Network
Development Plan**



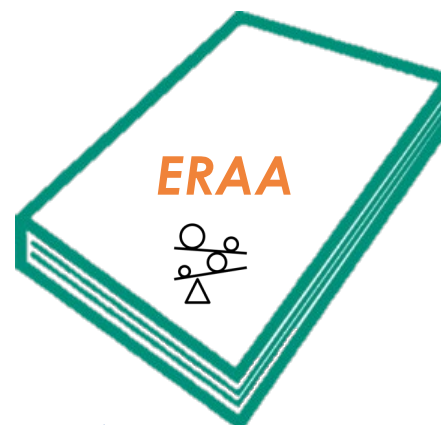
**Offshore Network
Development Plan**



Long term



**European Resource Adequacy Assessment
Seasonal Outlooks**



Mid term



Short term



Highlights of AWP 2023

- TP (Transparency Platform) implementation to comply with updated Manual of Procedures (MoP v3r3).
- TP development to potentially become an Inside Information Platform.
- CACM 2.0 requirements development after the regulation enters into force.
- Continuation of TP Architecture Implementation with major TP upgrades resulting in enriched user experience and better performance of the TP.
- Data quality improvements. Following the revision and improvement of the Memorandum of Understanding in 2022, continued monitoring of quality and completeness of TSO data submitted on the TP.
- Potential Forward Capacity Allocation (FCA) data provision project implementation with the extension of TP functionality to accommodate reporting of FCA data to ACER.



Highlights of AWP 2023

- **Preparation of new RDI Roadmap 2024-2034:** focus on accelerating RDI activities and projects addressing new challenges & policy priorities (e.g. fit for 55)
 - **Review Roadmap 2020-2030** + coordination and initiation of **RDI programmes** -> 13 project concepts of RDI Implementation Report 2021-2025
 - Facilitation & Participation to new **HorizonEurope** calls
- Current Projects:**
- Interrface
 - OneNet
 - BD4NRG
 - Ready4DC
 - IntNET



- Uptake of outcomes of RDI projects and programmes into ENTSO-E legal mandates and TSOs activities
- Cooperation with stakeholders & policy makers via ETIP Snet and SET plan activities led by the EC

AWP 2023 – Cooperation on the Transmission & Distribution interface

Transmission and Distribution Interface



Highlights of AWP 2023

- Development of a European framework for demand response (if requested)
- Cooperation on the evolution of existing network codes, notably Requirement for Generators and Demand Connection Network Codes
- Joint scenario building for the Ten Year Network Development Plan 2024
- Development of new implementing acts on data interoperability and access (cf. next slide)
- Cooperation on cyber-resilience risk assessment and preparedness of system operators
- Exchange of best practices e.g. on data exchanges between TSOs-DSOs-Significant Grid Users

AWP 2023 – Interoperability and Data



Highlights of AWP 2023

- Cooperation in drafting team of implementing acts on data interoperability and access;
- Development of implementing act parts on customer switching and on demand response;
- Potential new legal mandate with the EU Advisory Body together with the EU DSO Entity stemming from Implementing Acts on Data Interoperability and Access;
- Development of Common Information Model and implementation guides;
- Production of international standards;
- Maintenance of the harmonised electricity role model.

Network Code on Cybersecurity



Highlights of AWP 2023

- ✓ establishing the Cybersecurity Risk Working Group;
- ✓ collaborating with the Stakeholders through the work of the Cybersecurity Risk Working Group, Electricity Coordination Group and bilateral channels;
- ✓ developing risk assessment methodologies;
- ✓ developing harmonised procurement requirements;
- ✓ developing harmonised incident classification scale methodology;
- ✓ developing transitional electricity cybersecurity impact index;
- ✓ developing transitional list of European and international standards and controls.

CURRENT STATUS

- ▶ ENTSO-E and EU DSO Entity have launched a preparation for the NCCS implementation phase which is expected to start after the entry into force of the NCCS. Any Stakeholder who would like to engage on NCCS topics, please contact daiga.dege@entsoe.eu

More info on: [Network Code on Cybersecurity \(NCCS\) \(entsoe.eu\)](https://www.entsoe.eu/network_codes/network_code_on_cybersecurity)

AWP 2023 – Monitoring highlights



Highlights of AWP 2023

Market		System Develop.	System Operations			
Market Report	Capacity Calculation & Allocation Report	Connection Network Codes Report	Regional Coordination Assessment Rep.	Load-frequency control Report	Incident Classification Scale Report	Probabilistic Coordinated Security Assessm.
<ul style="list-style-type: none">provides the progress of the integration of European electricity markets in accordance to FCA, CACM and EB regulationsincludes a summary of the Balancing situation & Performance Indicators (next full report 2024)	<ul style="list-style-type: none">covers the progress on implementation as well as operation of the implemented CACM and FCA Capacity Calculation Methodsprovides from 2023 onwards statistical and quality indicators covering the capacity calculation and allocation processes	<ul style="list-style-type: none">monitors the implementation of the grid Connection Network Codes (CNC) in each member state	<ul style="list-style-type: none">provides regional coordination assessment by regional security coordinators	<ul style="list-style-type: none">presents results of:<ul style="list-style-type: none">a) the frequency quality evaluation criteriab) FCR obligationsc) any TSO mitigation measures and ramping requirements to alleviate deterministic frequency deviations	<ul style="list-style-type: none">provides an overview of operational security indicatorsidentifies necessary improvements including related toolsprovides explanations of the reasons for incidents at the security ranking scales 2 and 3	<ul style="list-style-type: none">PRA is a complementary approach to assess the probability & impact of power system failure, establishing operational security limitsThe assessment provides a view on TSOs' progress towards PRA, outlining the expected challenges and the next steps towards the PRA methodology to be developed by 2027

FCA: Forward capacity allocation regulation

CACM: Capacity allocation and congestion management regulation

EB: Electricity balancing regulation

PRA: Probabilistic Risk Assessment

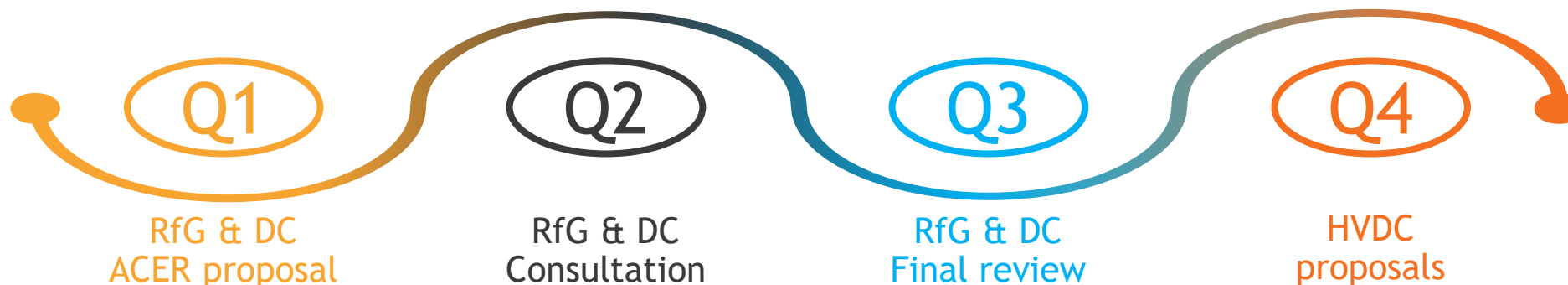
All Reports of the previous years can be found here: [Network Codes Monitoring \(entsoe.eu\)](https://entsoe.eu/network-codes-monitoring)

AWP 2023 – NC Amendments

Connection Network Code Amendments



Highlights of AWP 2023



ENTSO-E to assess the content of ACER's proposal for amendments

ENTSO-E to prepare and submit feedback to ACER's consultation

ENTSO-E to assess and collaborate in the final review of the amendments

ENTSO-E to consolidate proposals for future NC HVDC amendment consultation

AWP 2023 – NC Amendments

Market and System Operation Guidelines Amendments

Capacity Allocation and Congestion Management Guideline 2.0



Forward Capacity Allocation Guideline 2.0



System Operation Guideline (impact from CACM 2.0)



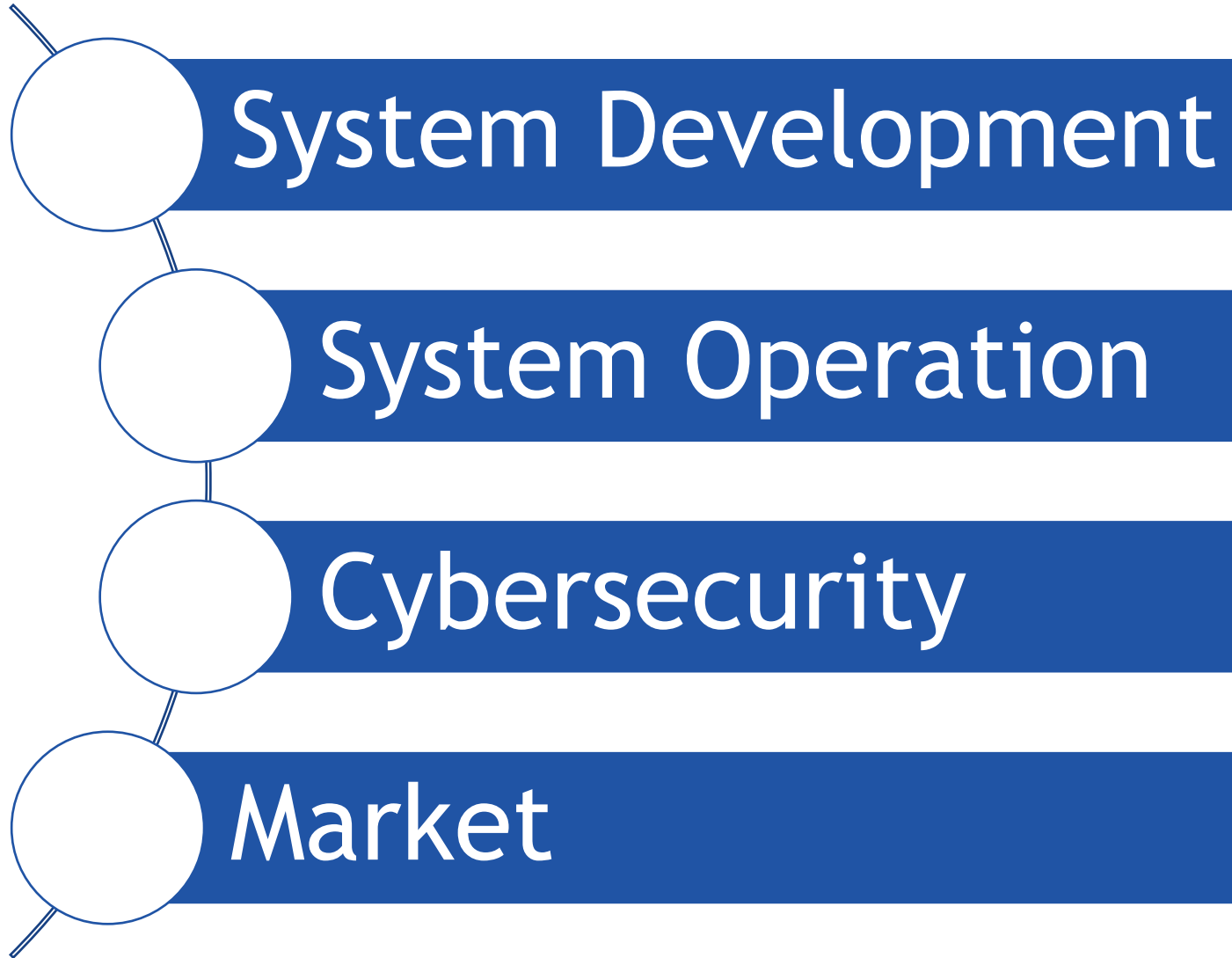
System Operation Guideline (impact from CNC 2.0)



2023

Poll 2

Areas of work to be prioritized in 2023?



Poll 3

In your opinion the ENTSO-E Work Programme 2023...?

Focuses on the right deliverables 100% (3)



Some should be deleted 0% (0)

Some should be added 0% (0)

3 responses

Our values define who we are, what we stand for and how we behave.
We all play a part in bringing them to life.



EXCELLENCE

We deliver to the highest standards.
We provide an environment in which people can develop to their full potential.



TRUST

We trust each other, we are transparent and we empower people.
We respect diversity.



INTEGRITY

We act in the interest of
ENTSO-E



TEAM

We care about people. We work transversal and we support each other.
We celebrate success.



FUTURE THINKING

We are a learning organisation.
We explore new paths and solutions.

We are ENTSO-E