

System Operation European Stakeholder Committee

Materials for meeting 09 June 2021



1. Review of the Agenda

Subject	Timing	Lead
1. Opening <ul style="list-style-type: none">Review of the agendaReview and approval of minutes from previous meetingReview of actions	15 min	ACER, Uros Gabrijel ENTSO-E, Ana Cigaran
2. Update on the implementation actions at pan-EU level	10 min	ENTSO-E, Ana Cigaran
3. Cybersecurity Network Code <ul style="list-style-type: none">Update on the Framework GuidelinesUpdate on ongoing activities	30 min 15 min 15 min	ACER ENTSO-E, Alina Neagu & Daiga Dege
4. Report on CGM Program Implementation	15 min	ENTSO-E, Markus Besser
5. AOB – Next meetings	15 min	ACER, Uros Gabrijel



1. Review of actions

ENTSO-E, Ana Cigaran

1 Review of actions

ACTION	ANSWER	STATUS
More details on the timeline for CBA for FCR will be reported in the next SO ESC meeting.	Presentation ready (to be covered as AOB today)	Close
ENTSO-E to come back in next SO ESC on question on impact on imbalance on bidding zones to which hybrid assets are connected	ENTSO-E position paper to be published in Summer	Ongoing
ENTSO-E and ACER to discuss using other webinar tools for the next meetings	Proposal is to keep Go to Webinar but disclose identity of participants/speakers unless objections are raised.	Close



2. Update on the Implementation Actions

Ana Cigaran

Pan-European or regional deliverables 2021: SOGL

CSAm Amendments (Article 21 & 27)

After the oral hearing finalized end of April, the next step is the approval of the final document by the ACER Board of Regulators in June 2021.

Regional Proposals for CSA (Art 76-77)

All art.76 proposals are approved by the NRAs.

Black - update compared to last meeting
Grey - no update compared to last meeting

Pan-European deliverables 2021: CEP

RCC Establishment
proposals (Art 35
ER)

The approval of the RCC establishment proposals by regulators of each SOR is expected by summer 2021.

Risk
Preparedness

The Electricity Coordination Group (ECG) completed the internal process of gathering comments to the 7 September 2020 ENTSO-E “Identification of Regional Electricity Crisis Scenarios” Report. ENTSO-E will proceed to the review of the comments. The response is planned for autumn.

National Implementation

KORRR

Information of National Implementation of KORRR will be included in ACER SO GL Monitoring Report.

Operational Agreements

All the Synchronous Area Operational Agreements are available on Transparency platform.

Additionally, ENTSO-E has taken actions to facilitate the (optional) publication of LFC data in the Transparency Platform the LFC Block Operational Agreements from Austria, Belgium, Germany, Spain, France, Hungary, Italy, Great Britain, Slovenia/Croatia/Bosnia i Herzegovina, Slovak Republic, Ireland/Northern Ireland and Nordic are available on the Platform.

Transparency Platform and Active Library

Transparency Platform

An update to the SO GL Detailed Data Descriptions (SO GL DDD) was performed and it is foreseen to be included to the Manual of Procedures and subject to Public Consultation. **ACER is satisfied with the changes performed**

Active Library

Internal tool is ready to host the following data:

- National implementation Data Exchange
 - Active Power Reserves
 - Requirements FCR, FRR, RR
-

The launch of the public tool will be performed once the new SO GL DDD is fully implemented to Transparency Platform.



3. Cybersecurity Network Code

Update on framework guidelines

Update on ongoing activities

ACER, Vincenzo Trovato

ENTSO-E, Alina Neagu & Daiga Dege



European Union Agency for the Cooperation
of Energy Regulators

Update on the Framework Guidelines on Network Code on Cybersecurity

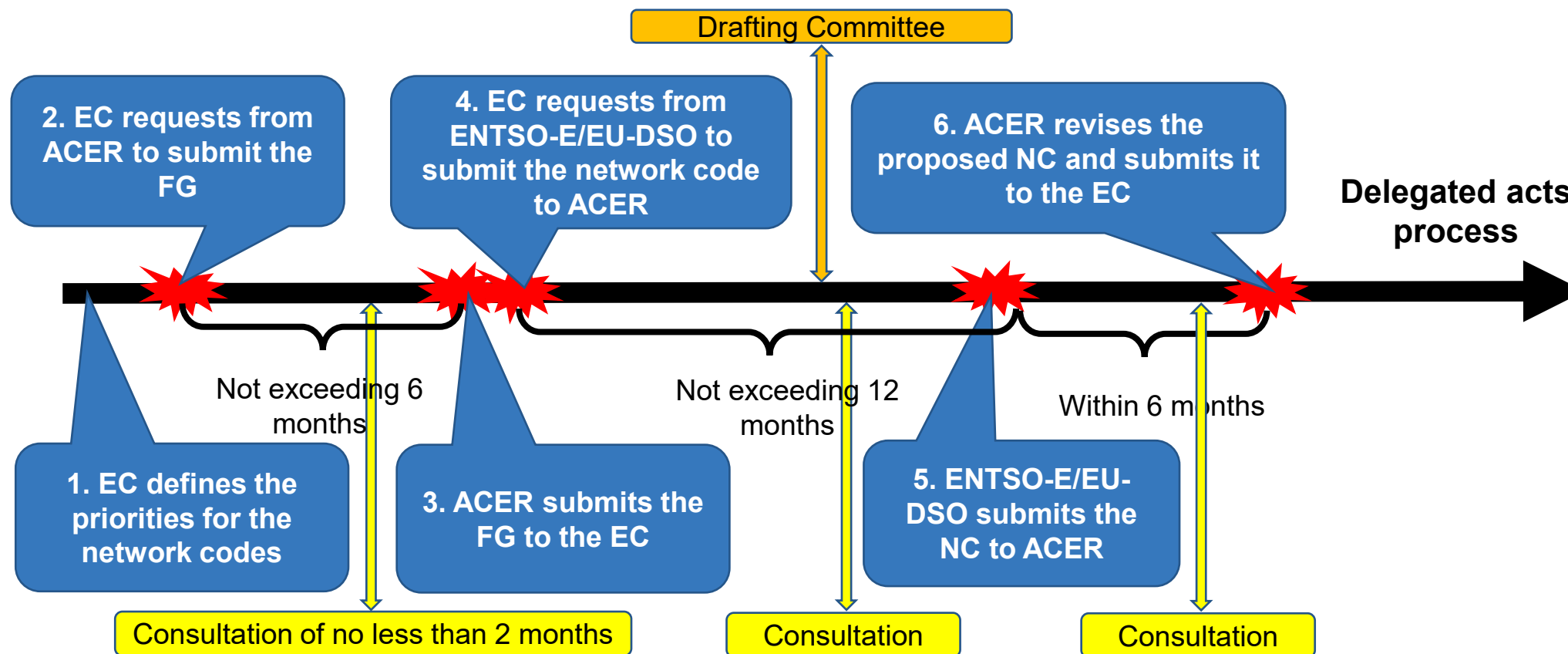
9 June 2021

Public information

- Informal process
 - In 2019, the Smart grids task force expert group 2 published [recommendations](#) on the implementation of the Electricity Regulation
 - The Commission set up a drafting team of relevant stakeholders in February 2020
 - The [technical report](#) puts forward recommendations to the Commission and identifies areas that need to be addressed in the future network code on cybersecurity (February 2021)

- On **28 January 2021**, the Commission invited ACER to start drafting a framework guideline for the network code pursuant to Article 59, paragraph 4 of the Electricity Market Regulation, requesting:
 - “non-binding framework guidelines setting out clear and objective principles for the development of network codes relating to the areas identified in the priority list”
 - “Each framework guideline shall contribute to market integration, non-discrimination, effective competition, and the efficient functioning of the market”
- [Public consultation](#) on ACER draft FG: from 30 April until 29 June 2021
- ACER to submit the non-binding FG to the EC within a reasonable period not exceeding six months upon the receipt of the invitation
 - The FG will be accompanied with Evaluation of responses to the public consultation

- General timeline as set out in Article 59 of [REGULATION \(EU\) 2019/943](#) (Electricity Regulation)



High-level objectives	Detailed main objectives	Additional objectives	Topics and work to consider
How to protect the energy systems based on current and future threats and risks	Clear scope and define entities to be subject to the NC	Crisis management	Real-time requirements of energy infrastructure components
How to support the functioning of the European society and economy in crisis situation	Governance for cybersecurity of cross-border electricity flows	Supply chain security	Cascading effects
How to create trust and transparency for cybersecurity in the supply chain for components and vendors used in the energy sector	Cross-border cybersecurity risk assessments	Joint exercises	Legacy and state-of-the-art technology
How to harmonise maturity and resilience for cybersecurity across EU with defined minimum level while favouring higher maturity	Uniform approach (rules) to mitigate identified cross-border risks	Peer reviews	Smart Grid Task Force Expert Group 2 report
	Minimum cybersecurity controls and requirements	Inspections	ENTSO-E/ DSO associations informal interim report
	Address supply chain and legacy technology risks	Coordinated inspections in the event of an incident	Revised NIS Directive
	Framework for effective sharing of security information	Other means of enhanced cooperation on cybersecurity	New Directive on the resilience of critical entities
	Cybersecurity maturity framework to assess implementation status		

- The FG proposes mainly
 - Cybersecurity requirements for a wide scope of organisations
 - Cross border electricity cybersecurity risk assessment
 - A system for common cybersecurity requirements and its verification
 - A system for information sharing, incident- and crisis management
 - Advanced requirements in form certification of essential products and exercises

Questions?

You can send us your questions:

DFG-NC-CS@acer.europa.eu



European Union Agency for the Cooperation
of Energy Regulators

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🐦 [@eu_acer](https://twitter.com/eu_acer)
🌐 [linkedin.com/in/EU-ACER/](https://www.linkedin.com/company/eu-acer/)

Timeline

Informal process lead by the European Commission

Since February 2020, an informal drafting team composed by ENTSO-E and four associations representing the DSO communities (GEODE, EURELECTRIC, CEDEC, E.DSO), under the leadership of EC, works on a set of focus areas of the Network Code on Cybersecurity

- **19th February 2021** – delivery of the Final Interim Report to the EC
- **18th April 2021** – The EC published the Final Interim Report

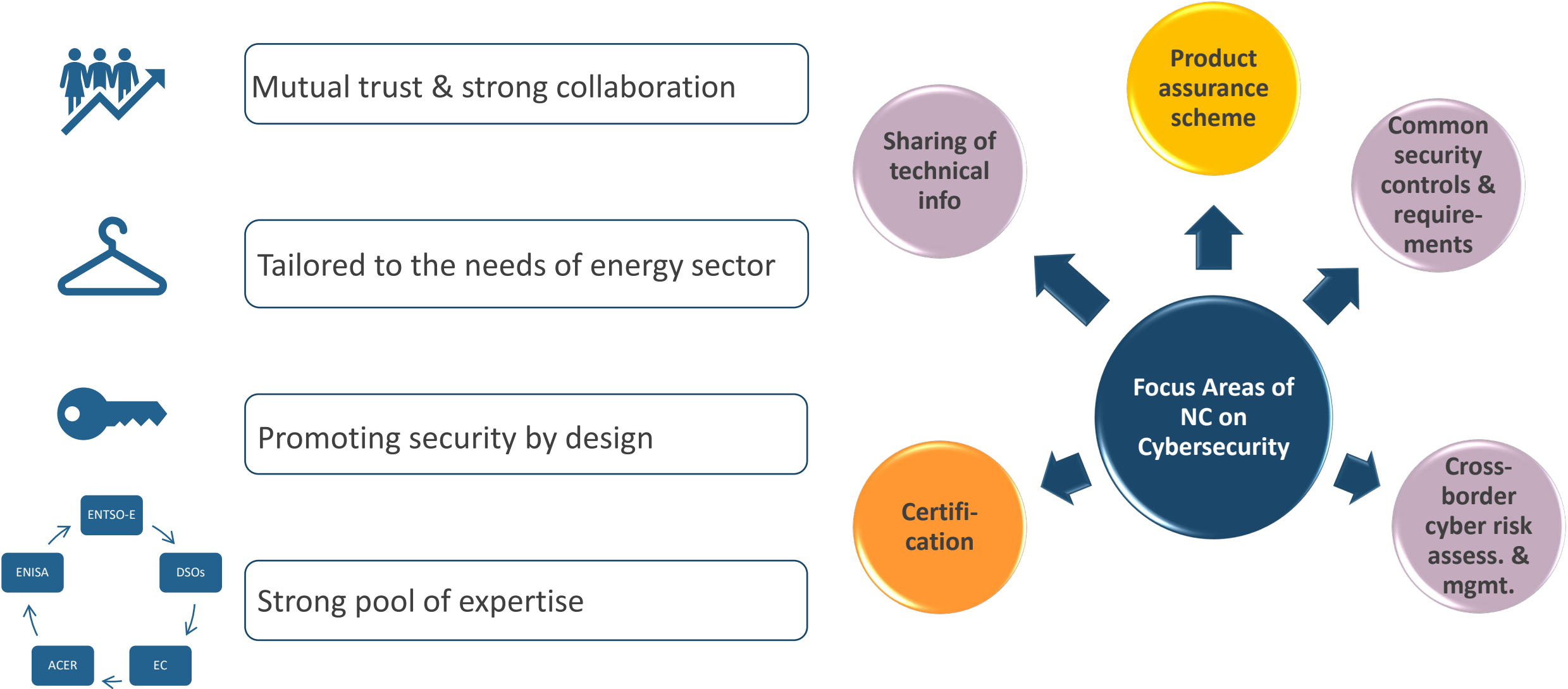
Report: <https://europa.eu/!Xj84GG>

Web: <https://europa.eu/!JR39PR>

Formal process

- **June 2021** – EU DSO Entity Governance Approval
- **30th April – 29th June 2021** – ACER Framework Guidelines public consultation
- **27th July 2021** – Starting of the Formal Drafting Process

The NCCS (first ever prepared together by DSOs & TSOs) defines set of rules strengthening the energy sector resilience against cyber threats!

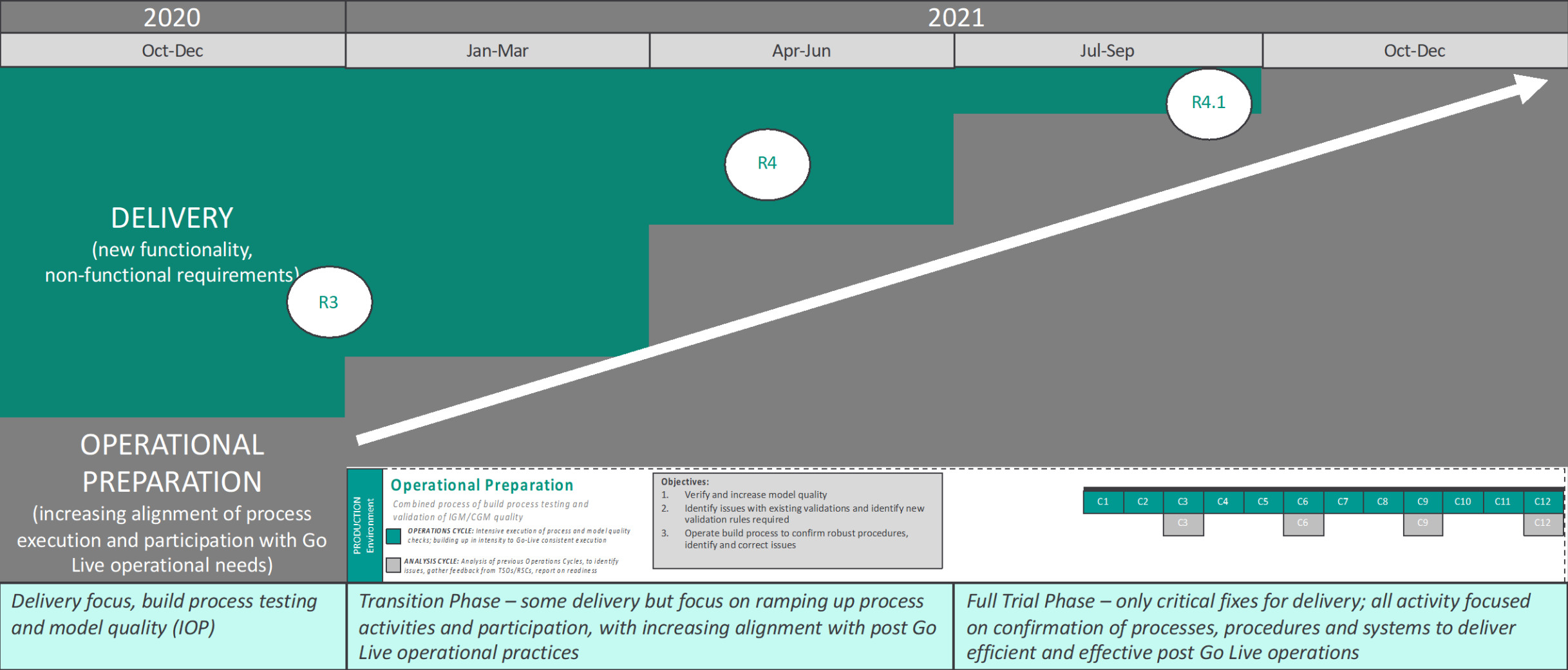




4. Report on CGM Program Implementation

ENTSO-E, Markus Besser

Programme is focused on transition from delivery to operations 2021



CGM Programme: Timeline of key activities in 2021

	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21
Infrastructure Delivery	Roll out of physical communication network & leased lines						(leased lines)					
ENTSO-E's Operational Planning Data Environment Delivery	Completion of operational delivery platform, environment and business applications											
Business Operational Readiness	Operational Preparation Cycle Execution (comprising Build Process Test, IOP and TSO/RSC readiness)											
Service Operation Design and Implementation	Fully operational OPDE Service Desk Ticketing Tool and OPDE Service Desk 24/7 setup											
	Security compliance by all parties											
Minimum Viable Solution Security Compliance	Security Audit # 1		Security Audit #2									

CGM Programme: Executive Summary



CGM Programme status: On track
Transition from delivery to Operational Preparation

Rationale - In terms of the resources, budget, well defined project plan, CGM programme is planned for the go - live 2021

Legend



On track



At risk



Delayed (on critical path)



Impact of risk increased



Impact of risk remains the same



Impact of risk decreased

	Key Milestone	Schedule	Status	Comment
1	Physical Communication Network	Q2 2021	● ↑	PCN Batch roll-out on schedule for end of Q2 2021. Delay in finalising Leased Line contract moves leased line delivery date from Q3 to Q4 2021.
2	OPDE Delivery	Q4 2021	● ➡	Scope for Release 4.0 in June and Release 4.1 planned for August is finalised.
3	Business Operational Readiness	Q4 2021	● ➡	Operational Preparation cycles in progress. Outreach Programme aiming to increase the TSOs/RSC's participation ongoing.
4	MVS Security Compliance	Q4 2021	● ↑	Mitigation planning ongoing to manage increased risk of low compliance with MVS Security Plan. Proactive engagement with all parties and Application Security Centre.
5	Service Operation Design & Implementation	Q4 2021	● ➡	OPDE Operating Model principles for Go-Live operations approved.



5. AOB – Next meetings

ACER, Uros Gabrijel

Follow up action: update on FCR LER

ENTSO-E, Luca Ortolano

FCR LER Minimum Activation Time Period – Ongoing activities

The deadline for submitting a decision on minimum activation time period for LER (T_{minLER} , Art.156(11) SO GL) has been postponed to from September 2020 to October 2021.

TSOs aim at proposing a T_{minLER} which could meet the SH needs while considering the wide range of approaches currently adopted by TSOs for the FCR provision (either from the technical and the market point of view).

CE TSOs are thus committed to exploit the extra time due to the deadline postponement.

The main goals of the ongoing activities are:

- To establish a stable scenario in the FCR procurement mechanism in order to allow the investment in new technologies;
- To investigate the possibility for a **FCR procurement mechanism suitable to deal with the presence of LER** in the provision. The envisaged mechanism shall:
 - consider - and possibly minimize - the **impact on different current FCR procurement** scheme (either market-based or mandatory);
 - ensure the **same risk level for the system**, regardless of the LER share;
 - allow the **widest participation of LER**;
 - for the TSOs with a market-based procurement, allow the market to find an equilibrium point in terms of LER share and FCR amount;
 - deal with the participation of **portfolio based mixed LER/non-LER**;
- To **address the feedback received from SH** during the consultation held in 2020.

FCR LER Minimum Activation Time Period – Schedule

March

April

May

June

July

August

September

October

- Investigation on a FCR procurement suitable to deal with LER
- Definition of the most appropriate time period

Proposal of a
minimum activation
Time Period

Workshop
With
Stakeholder

Submission to
NRAs

Next meetings

SO ESC
10 March
09 June
23 September
06 December