

System Operation Stakeholders Committee

Materials for Cancelled meeting 18th March 2020

1.1 Topics on the Agenda

Subject	Lead
1. Opening <ul style="list-style-type: none">- Review of the agenda- Review and approval of minutes from previous meeting- Review of actions	Uros Gabrijel Jean-Philippe Paul
2. Update on the implementation actions at pan-EU level	Jean-Philippe Paul
3. System Operation Guideline <ul style="list-style-type: none">3.1 Cost Benefit Analysis for FCR providers by Limited Energy Reservoirs: Status update3.2 National Implementation KORRR	Luca Ortolano Eduardo Lorenzo
4. NC Emergency and Restoration <ul style="list-style-type: none">- Overview Implementation of Art. 4(2)	Rafal Kuczynski
5. CGM Program Implementation Update	Derek Lawler

1.3 Review of actions

Actions and status

ACTION	ANSWER	STATUS
1. Note for future SO GL active library to include pre-qualification process aFRR, mFRR, RR.	Preparation for SO GL Active Library still ongoing.	Open
2. Inform SO ESC on National implementation KORRR	Additional slides on this topic on this slide deck under Top. 3.2	Close
3. Upload slides DSA	Slides can be found among materials for this meeting.	Close
4. ENTSO-E to share and agree the format of reporting on the implementation of art 4(2) of Emergency and Restoration Network Code.	Additional slides on this topic on this slide deck under Top. 4	Close
5. ENTSO-E to share the slides on the workshop made with ACER and NRAs on CCRs (02/10/2019)	Slides can be found among materials for this meeting.	Close
6. ENTSO-E to send the excel file including the data based on which the survey on reserve sizing has been done.	Excel can be found among materials for this meeting.	Close
7. ENTSO-E to provide information concerning the exchange/sharing of the reserve.	Topic for SO ESC in June	Open
8. ENTSO-E to send ACER the list of the TSOs which have not uploaded the LFC BOA to the Transparency Platform.	List has been provided to ACER	Close
9. ENTSO-E to provide an update about TCM status according to NCER Article 5 .	Additional slides on this topic on this slide deck under Top. 4	Close

Actions and status

ACTION	ANSWER	STATUS
10. Pending questions concerning CGM related topics to be sent to ENTSO-E.	Clarification requested on the question from Jean-Noel Marquet.	Open
11. GC ESC Expert Group on Pump Storage Hydro: Provide arguments why low frequency pump disconnection is triggered at different frequencies across Europe?	Topic for SO ESC in June	Open

2. Update on the implementation actions at pan-EU level

Pan-European deliverables 2020

CSAm

Adopted by ACER on 21 June 2019, requests all TSOs to develop two amendments (Article 21 and 27) to this methodology within 18 months (ie by 21 December 2020) – Public Consultation to happen in September 2020

LFCR Transparency

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

System Operation Regions Proposal (SORs)

ENTSO-E comments formally delivered to ACER by mid February.

ACER discussion with NRAs take place in March and final decision by 06/04/2020.

Pan-European deliverables 2020

CGM Merge

All the activities related to CGM Merge are on hold for the moment due to ENTSO-E internal reasons.

Risk Preparedness

Risk Preparedness Regional Electricity Scenario Methodology approved by ACER on 6th March triggering a 6 month period to implement the methodology. A final report ranking the regional electricity crisis scenarios to be published by 6th September 2020.

3.1 FCR provision by Limited Energy Reservoirs

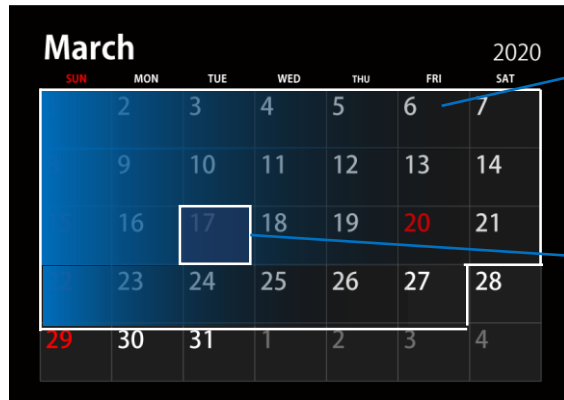
Next steps schedule

18th of March 2020

ESC meeting

Luca Ortolano

Next steps Schedule

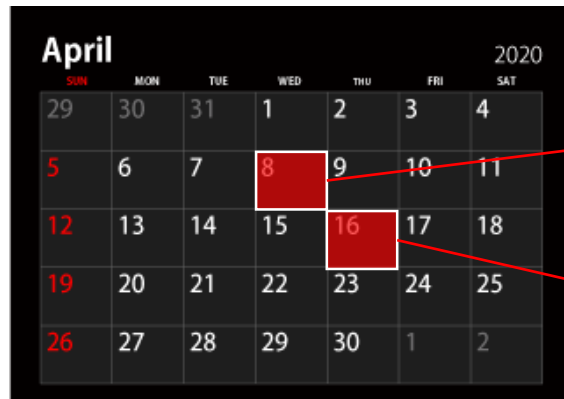


27th February – 27th March

After the official publication of the SOC approved Report a 1-month consultation with stakeholders started.

17th of March

Stakeholders webinar.



8th April

SOC meeting – decision approval on the agenda

16th April

Deadline for approval (one year after the methodology approval of Nordic NRAs: 16/04/2019).

5. CGM Programme

Status report

SO ESC on 18 March 2020

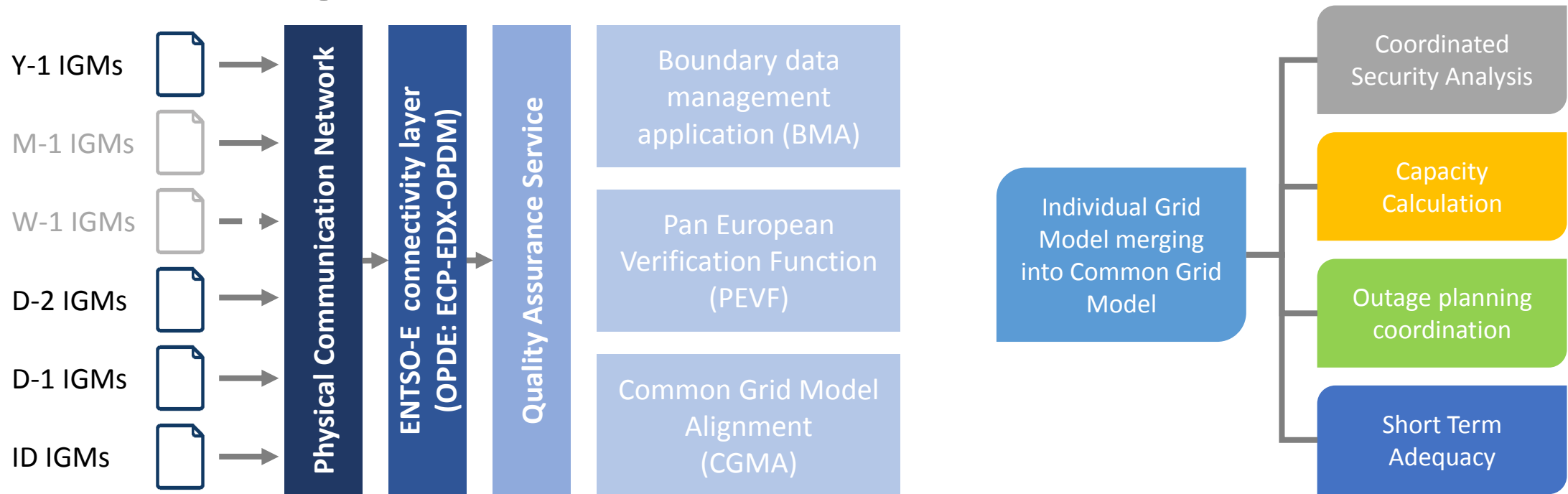
Why the Common Grid Model?

- The Common Grid model will **increase efficiency in system operations**, allows us to **reduce network costs** by minimizing the risk of wide ranging events, **strengthens security of supply** and **maximizes the availability of transmission capacity** to support market efficiency
- **ENTSO-E together with TSOs and RSCs** are developing a pan-European model called the Common Grid Model, being the enabler for **more accurate, more reflective and more effective data sharing system**
- Accumulating a **pool of operational data** with timeframes **from one year out to Intraday**
- Establishing a **state of the art data exchange environment**, running on a **brand new Physical Communication Network**
- Exchanging data seamlessly **Regional Security Coordinators** support **Transmission System Operators** to **maintain system security** providing well balance coordination from a variety of needs

Why the Common Grid Model Programme?

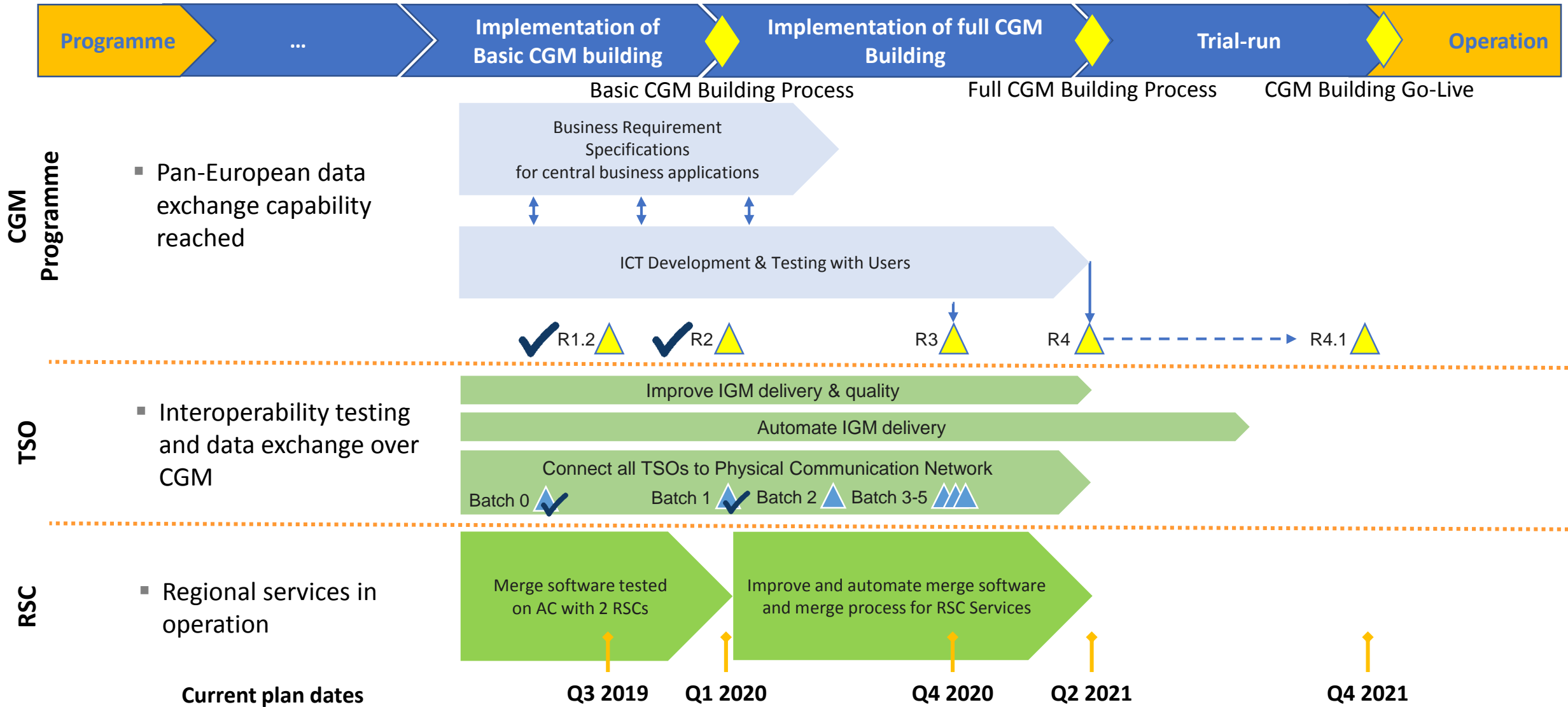
- The CGM Programme delivers under **EU regulations (i.e. CACM, FCA, SOGL)**
- Its deliverables **enable TSOs and RSCs** to produce **consistent and synchronised calculations** out of an harmonised pan-European Common Grid Model data source
- **The Pan-European Common Grid Model** will be used as a key input to **perform the RSC Services**
- The **scope** of the CGM Programme includes:
 - a **Physical Communication Network** transporting the data,
 - a connectivity layer - **Operational Planning Date Environment** - to allow secure communication
 - and a set of **CGM business applications** to allow the creation of an high quality Common Grid Model

CGM Programme scope summary



Integration of CGM Programme, TSOs and RSCs is key for an integrated system for a more secure, cleaner and cost efficient European energy market

High-level CGM Programme plan



Basic CGM Build Process Test – November 2019

Achieving a first model merge considering AC flows on a scope expanding to the largest possible interconnected model inside Europe

- largest possible model was successfully created and included a number of 18 TSOs



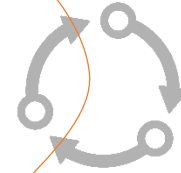
Alignment of processes and procedures

- The given process times and steps were respected by all participants



Demonstrate the basic software functionalities of Basic CGM Build Process, such as up/download, basic processing and publishing of IGMs/CGMs on the OPDE

- Demonstrated that the basic software functionalities were working as expected on a stable OPDE environment



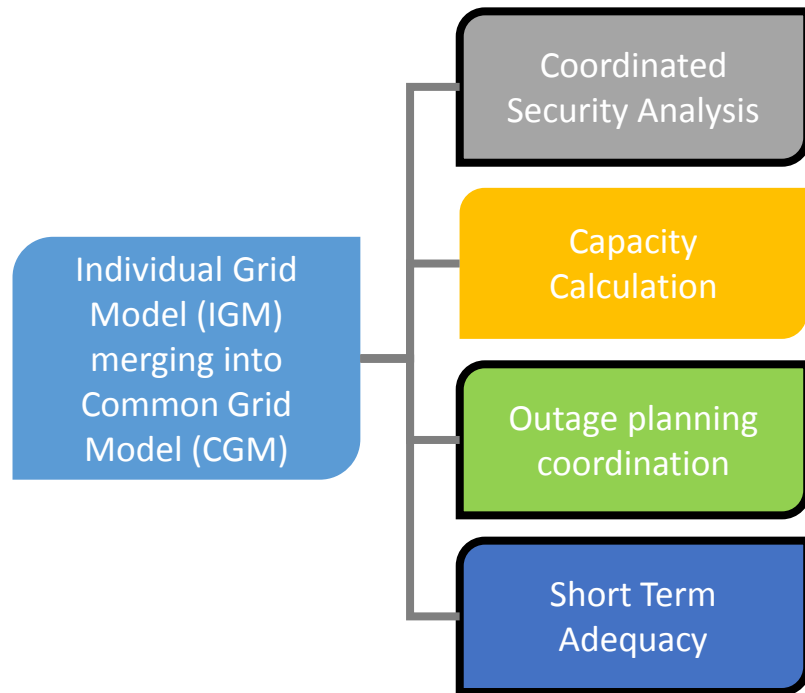
Test the usage of the merged model with one RSC Service

- An individual security analysis was executed each test day



CGM dependencies for RSC Services

CGM Programme delivers input to the following RSC Services:



- Operational Planning Data Environment** exchanging data between TSOs, central business applications and RSCs
- CGM Alignment application** supporting the Pan-European balance of the common grid model
- CGMs after merging IGMs** (i.e. ID, D-1, Y-1)

Additional requirements (e.g. M-1 and W-1 CGMs) are currently under discussion.