



Criteria of external parallel run (EPR)

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Overall view of entry/exit criteria until FB go-live

Parallel runs have been divided into phases:



- Each phase has TSO-defined entry criteria, based on the guidance from NRAs
- The entry criteria for the EPR start have been set
- Entry criteria for each phase is the same as the exit criteria for the previous phase



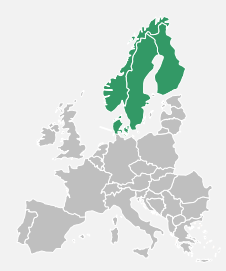
Entry criteria for the EPR start (1/3)

- IT system operating in production environment
 - No blocking issues in business process and calculation results
 - IT system working as intended and moved to production environment
 - Backup system are not used on a regular basis in the FB domain calculation
- Daily calculation of FB domains
 - FB calculation process running 7 days per week
 - FB domains produced 7 days per week



Entry criteria for the EPR start (2/3)

- Timely publication of results
 - Provision of data to JAO for publication to stakeholders within the timing criteria set by NRAs (2-10 min delay less than 5%, delay of 10 min not allowed)
 - Provision of data to NEMOs' allocation mechanism within the timing criteria set by NRAs (2-10 min delay less than 5%, delay of 10 min not allowed)
- Business process stability and readiness for EPR
 - TSOs and RSC confirm stability in operation (including also FB Domain validation process and fulfilment of operator training) and readiness for EPR
 - NEMOs confirm readiness for EPR

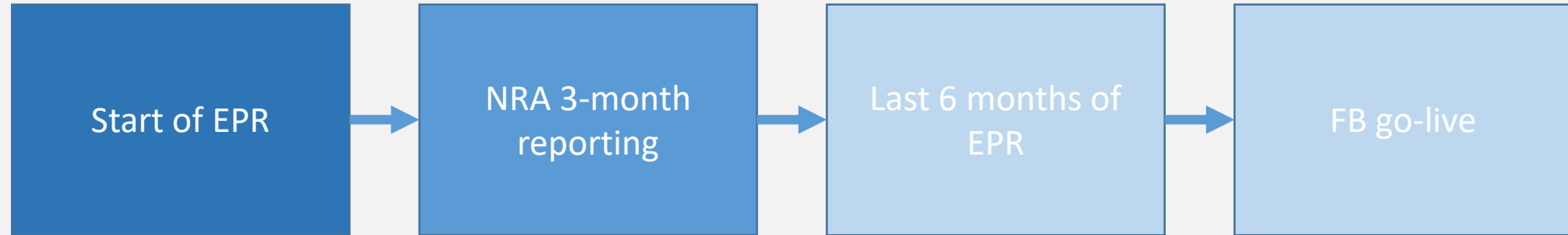


Entry criteria for the EPR start (3/3)

- Quality of internal parallel run (IPR) results
 - IPR running for 7 weeks after
 - All grid model component updates have been implemented (such as new HVDC connections)
 - Simulation Facility simulations are based on at least 4 weeks of 24/5 FB results, with TSO-operator validated FB domains
 - TSOs to confirm that market results are appropriate/correct
 - TSOs to confirm that the input data (Common Grid Model (CGM), Critical Network Elements (CNE), Generation Shift Keys (GSK)) and the resulting FB domain comply to TSOs' standards of operational security
 - TSOs to confirm that the socio-economic analysis / market results can be explained, are understandable, and reasonable



To be continued...



Next task is to finalise entry criteria for NRA 3-month reporting

- based on criteria set by NRAs for assessment for the 3-month report
- some elaboration on criteria after discussions with NRAs needed



Questions?

ENERGINET

 SVENSKA
KRAFTNÄT

FINGRID

Statnett