

# Grid Code OC2 changes for Generator Outage and Availability Proposal

# Background on proposal – Defects being addressed

- Power stations currently duplicate submission to both TOGA system (under Grid Code OC2) and under REMIT regulation, which is a loss of time and resources.
- There are data inconsistencies between OC2 data and REMIT causing grid operation and market confusion.
- Feedback from the industry is that current Grid Code generation section (part of OC2) is not used effectively and has not evolved to the latest changes to the electricity industry.
- Current use of the OC2 process is diminishing (up to 20% of stations do not submit) and therefore quality of industry published reports impacted.
- Data is submitted for one cardinal point on working days only and 5 hrs before it is published so is rapidly out of date.
- The OC2 Zonal generation process is still run which is now out of date and not used.
- Data beyond 3 years ahead is very inaccurate and therefore no value added.
- The current TOGA platform is due for an upgrade and automation.

# The proposal

- Stop using TOGA for OC2 generator availability and outage submissions – use of REMIT interface instead as a method of capturing generator **Output Usable** so users don't need to submit twice thus save time and resources and improve data accuracy.
- Communicate to current TOGA users the new platform is now either MODIS or the Elexon REMIT portal and include this in the Grid Code OC2 modifications. This will reduce the data missing in REMIT which will be used as our source data for OC2.
- Make a suggestion that any generators currently caught by requirements in the Grid Code OC2 (i.e. large and directly connected power stations with a CUSC contract) submit changes in **Output Useable** for values greater than 10MW.
- Reduce the availability data requirement from up to 5 years to 3 years as there is less value in the longer-term data beyond 3 years, which is inline with current REMIT data requirements.
- Simplified OC2 process – daily, weekly and yearly submissions to TOGA are not required anymore – Generators will only need to submit to REMIT when there is a change (>10MW) to their planned **Output Useable**.
- 3 • Automation of NRAPM forecasting and publication.
- Stop OC2 Zonal process

# Benefits

- Potential consumer benefits realised by reduced administrative costs all round and a more complete, appropriate and useful data set allowing better planning
  - Enables the simplification of submission process, removes the requirement to submit weekly, daily and yearly.
  - There will only be one end system for Generators to submit their availability and outage data to (REMIT), so one stream of data reducing data inconsistency and reducing costs for the Generator.
  - Automation of OC2 data provision and processing - reducing costs in administration and errors from human factors.
  - REMIT data is published more frequently by Generators allowing NGESO to:
    - Publish data more accurately and more frequently to the market.
    - Potential to deliver increased cardinal points to the market.
- Operating Margin Reserves (OPMR) will be simplified to reflect more accurately the requirement, providing clarity of its meaning.
- Current TOGA is more than 10-years old and the new strategy TOGA project is on the way to replace it.

# The process and impacts

- Communicate with TOGA-GOAMP users that MODIS or the Elexon REMIT portal is the new platform to submit their required generator data.
- Build the new system to extract and process REMIT data for OC2 process and publish the outcomes back to BMRA.
- No additional data needs be provided, most generators already submit to REMIT.
- Impact of the Grid Code OC2 change is low as is simple house keeping to fit with the new platform and data source.
- Impact of the system replacement is also low due to the majority of generators already submitting Remit data so is more turning off current systems that feed to TOGA.
- A few generators who submit which publish REMIT data on their own websites will be impacted, but as they submit TOGA data currently we can guide them on how do this with our business readiness lead.